

UTEX INDUSTRIES, INC.

# Sheet Packing

C A T A L O G



UTEX INDUSTRIES, INC.  
*Taking Sealing Technology Beyond Tomorrow*  
ISO 9001 Certified



# UTEX

## Offers You More...



Headquarters, Houston, Texas



Customer Service



Manufacturing, Weimar, Texas

Utex Industries, Inc. has been a leader in the fluid sealing industry since 1940. We began as a gasket cutter and general line distributor. In the early 1940's we started manufacturing molded rubber packings for pumps and valves. Today we are a full line manufacturer of a wide range of fluid sealing products marketed worldwide to every industry.

Sheet packing products have long been a staple for Utex Industries. We sell sheet packing to gasket cutters, as well as in compression packing sets in the form of spacers or as high pressure back-ups. We have our own die-making capabilities to furnish pre-cut gaskets of all materials.

Our material selection includes styles to seal air, water, hydrocarbons, gases, and many harsh chemicals. We also offer a wide range of insulating materials for noise, vibration, and high temperatures.

When you need sheet packing products, think of Utex for the broadest selection available to satisfy all your sealing and insulating needs.

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# UTEX

## Non-asbestos Compressed Sheet Packing

### Style 1123



A non-asbestos general purpose sheet packing composed of synthetic fibers held together with a SBR rubber binder.

#### Applications

*Recommended for gasket and other static applications. Also recommended for gases, water, inorganic salt solutions, brake fluid, and alcohol applications.*

#### PERFORMANCE DATA

|  |   |
|--|---|
| TEMPERATURE, MAXIMUM                           | 450°F (232°C)   |
| PRESSURE, MAXIMUM                              | 400 psi; (27.6 bar); (2.76 MPa); (28.1 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(across grain) (ASTM F152) | 1600 psi; (11 MPa) Typical  |
| DENSITY  | 112.4 lbs/ft <sup>3</sup> (1.8 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE                | 3 to 12   |
| BOLT TORQUE                                    |   |
| "M" Gasket Factor                              | 3.5 for 1/32" (.79 mm), 2.75 for 1/16" (1.59 mm), 2 for 1/8" (3.18 mm).   |
| "Y" Gasket Factor                              | 6500 psi (44.8 MPa) for 1/32" (.79 mm), 3700 psi, (25.5 MPa) for 1/16" (1.59 mm), 1600 psi (11 MPa) for 1/8" (3.18 mm). |

#### Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) thicknesses. Other sizes are available on request.

Approximate weight: 15.44 lbs (7 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

### Style 1125



General purpose sheet, green in color, composed of chemical and heat resistant synthetic fibers held together with a nitrile rubber binder.

#### Applications

*Recommended for gasket and other static applications. Excellent anti-stick properties and resistance to wet steam. Suitable for ammonia, acetic acid, gases, water, fuels, benzene, mild acids, Freon 12 & 22, ethylene glycol, hydrocarbons, oils and greases, sea water, alcohols, vinyl acetate, xylene, and heat transfer oil applications.*

#### PERFORMANCE DATA

|   |   |
|---|---|
| TEMPERATURE, MAXIMUM                          | 750°F (400°C)   |
| PRESSURE, MAXIMUM                             | 1400 psi; (96.5 bar); (9.65 MPa); (98.4 kg/cm <sup>2</sup> )  |
| TENSILE STRENGTH<br>(across grain)(ASTM F152) | 2200 psi; (15.5 MPa) Typical  |
| DENSITY                                       | 112 lbs/ft <sup>3</sup> (1.8 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE               | 3 to 12   |
| BOLT TORQUE                                   |   |
| "M" Gasket Factor                             | 4.0 for 1/16" (1.59 mm) and below<br>5.0 for thicknesses over 1/16" (1.59 mm)                               |
| "Y" Gasket Factor                             | 5800 psi (40 MPa) for 1/16" (1.59 mm) and below<br>6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm) |

#### Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets in 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes are available on request.

Approximate weight: 14.6 lbs (6.6 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

# Nonasbestos Compressed Sheet Packing UTEX

## PERFORMANCE DATA

|   |   |
|---|---|
| TEMPERATURE, MAXIMUM                          | 750°F (400°C)   |
| PRESSURE, MAXIMUM<br>MPa);                    | 1400 psi; (96.5 bar); (9.65 MPa);   |
|   | (98.4 kg/cm <sup>2</sup> )  |
| TENSILE STRENGTH<br>(across grain)(ASTM F152) | 3000 psi;<br>(20.7 MPa) Typical   |
| DENSITY                                       | 131 lbs/ft <sup>3</sup> (2.1 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE               | 3 to 12   |
| BOLT TORQUE                                   |   |
| "M" Gasket Factor                             | 2.0 for 1/32" (.79 mm) and below<br>3.0 for 1/16" (1.59 mm) and below<br>5.0 for 1/8" (3.18 mm) and below   |
| "Y" Gasket Factor                             | 6000 psi (41.4 MPa) for 1/32" and below<br>6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm)<br>8400 psi (57.9 MPa) for 1/8" sheet and below |

### Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305 cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32", (2.38 mm), and 1/8" (3.18 mm) thicknesses.

Approximate weight: 17 lbs. (7.7 kgs) based on a 60" x 60" (152 x 152 cm) x 1/16" (1.59 mm) sheet.

Top quality close mesh, mild steel wire-reinforced non-asbestos material for severe conditions. Utilizes a nitrile rubber binder and is graphited on one side to produce a black colored sheet. Also resilient to fluctuating temperature and pressure.

### Applications

*Recommended for gasket and other static applications. Recommended for ammonia, gases, water, steam, inorganic salt solutions, mild acids, alkalies, hydrocarbons, oils and greases, alcohols, ethers, and heat transfer oil applications.*

## Style 1128



## PERFORMANCE DATA

|   |   |
|---|---|
| TEMPERATURE, MAXIMUM                          | 850°F (454°C)   |
| PRESSURE, MAXIMUM<br>MPa);                    | 2000 psi; (138 bar); (13.8 MPa);  |
|   | (140.6 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(across grain)(ASTM F152) | 1500 psi (10.4 MPa) Typical   |
| DENSITY                                       | 87 lbs/ft <sup>3</sup> (1.4 g/cc) Typical   |
| pH RANGE AT AMBIENT TEMPERATURE               | 3 to 12   |
| BOLT TORQUE                                   |   |
| "M" Gasket Factor                             | 4.0 for 1/16" (1.59 mm) and below<br>5.0 for thicknesses over 1/16" (1.59 mm)                               |
| "Y" Gasket Factor                             | 5800 psi (40 MPa) for 1/16" (1.59 mm) and below<br>6500 psi (44.8 MPa) for thicknesses over 1/16" (1.59 mm) |

### Availability

60" x 60" (152 x 152 cm) and 60" x 120" (152 x 305cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), and 1/8" (3.18 mm) thicknesses. Other sizes available on request.

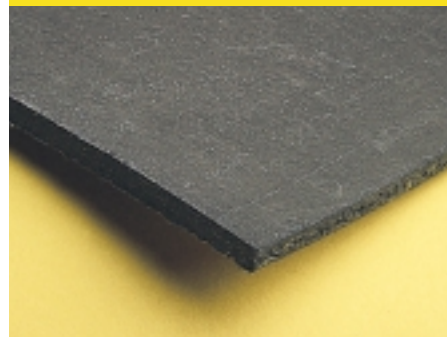
Approximate weight: 11.3 lbs (5.1 kgs) based on a 60" x 60" (152 x 152 cm) x

Composed of carbon fibers which are held together by a nitrile rubber binder. Black in color and good for steam service.

### Applications

*Recommended for gasket and other static applications, especially for steam service. Recommended for ammonia, gases, water, steam, inorganic salt solutions, mild acids, alkalies, hydrocarbons, oils and greases, sea water, alcohols, ethers, and heat transfer oil applications.*

## Style 1137



## Style 1126



Fiberglass and proprietary fiber fabric with a tacky natural rubber coating and .007" (.18 mm) diameter brass wire insertion.

### Applications

*Recommended for use as hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light exposure.*

### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 400°F (204°C)  |
| PRESSURE, MAXIMUM               | 180 psi; (12.4 bar);<br>(1.24 MPa); (12.7 kg/cm <sup>2</sup> )<br>(In Steam Service) |
| DENSITY                         | 96 lbs/ft <sup>3</sup> (1.54 g/cc) Typical   |
| pH RANGE AT AMBIENT TEMPERATURE | 2 to 10  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2.25 for all thicknesses   |
| "Y" Gasket Factor               | 2200 psi (151.7 bar) for all thicknesses   |

### Availability

40" (101.6 cm) wide continuous lengths (up to 50 yards) (45.7 m) with 1/16" (1.59 mm) thickness. Other thicknesses may be obtained by laminating one or more sheets.

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness.

## Style 1127



Light duty fiberglass fabric with a tacky natural rubber coating to provide adhesion during installation.

### Applications

*Recommended for use as hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light exposure and hydrofluoric or hot phosphoric acid.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | 400°F (204°C)   |
| PRESSURE, MAXIMUM               | 100 psi; (6.89 bar);<br>(.69 MPa); (7.03 kg/cm <sup>2</sup> )<br>(In Steam Service) |
| DENSITY                         | 96 lbs/ft <sup>3</sup> (1.54 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 9  |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 2.25 for all thicknesses  |
| "Y" Gasket Factor               | 2200 psi (151.7 bar) for all thicknesses  |

### Availability

40" (101.6 cm) wide continuous lengths (up to 50 yards) (45.7 m) with 1/16" (1.59 mm) thickness. Other thicknesses may be obtained by laminating one or more sheets. Also available in tape form with 1" (25.4 mm), 2" (50.8 mm), 4" (101.6 mm), and 6" (152.4 mm) widths and length to be specified up to 50 yards (45.7 m).

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness.

## Style 1139



Made from high purity washed silica-alumina ceramic fiber wherein a large portion of the unfiberized particles are removed prior to lay-up. The washing of the fiber gives a great uniformity to the structure while reducing weight and improving thermal resistance.

### Applications

*Recommended for fire protection, thermal insulation, transfer line protection, welding and brazing protection, high temperature gaskets, and other high temperature, static applications. Suitable for water, steam, oils, hydrocarbons, most chemicals, and other general services. Not suitable for hydrofluoric and phosphoric acids, and concentrated alkalis.*

### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 2300°F (1260°C)  |
| PRESSURE, MAXIMUM               | 150 psi; (10.3 bar);<br>(1.03 MPa); (10.5 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH<br>(ASTM D710) | 11.25 lbs/in (200 g/mm) Typical                                |
| DENSITY                         | 10 lbs/ft <sup>3</sup> (.16 g/cc) Typical                      |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 1.75 for all thicknesses                                       |
| "Y" Gasket Factor               | 1100 psi (7.6 MPa) for all thicknesses                         |

### Availability

12" (30.5 cm), 24" (61 cm), and 48" (122 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), and 1/8" (3.18 mm) sheet.

Approximate weight: 2.5 lbs (1.13 kgs) based on a 24" (61 cm) x 24" (61 cm) x 1/16" (1.59 mm) sheet.



# High Temperature Protective & Insulating Products

# UTEX

## PERFORMANCE DATA

### TEMPERATURE

|                             |                |
|-----------------------------|----------------|
| Continuous service, maximum | 1000°F (540°C) |
| Intermittent flame, maximum | 1800°F (982°C) |

|                                 |         |
|---------------------------------|---------|
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13 |
|---------------------------------|---------|

### Availability

.110 inch (2.8mm) thickness by 40 inch (101.6 cm) widths with lengths to be specified.

A heavy duty glass fabric, constructed with two plies to enhance abrasion resistance, tensile strength, and heat resistance. Both sides of the fabric are coated with a special high temperature vermiculite (hydrated metallic silicate) film to add high temperature flame resistance.

### Applications

*Recommended for thermal insulation, flame and heat barriers, and other high temperature insulation applications. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride.*

## Style 1142



## PERFORMANCE DATA

|                                 |                |
|---------------------------------|----------------|
| TEMPERATURE, MAXIMUM            | 1000°F (540°C) |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13        |

### Availability

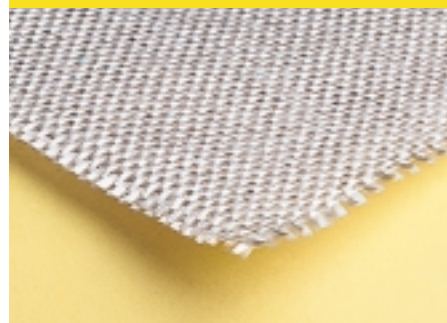
.020 inch (0.50 mm) thickness by 48 inch (121.9 cm) widths with lengths to be specified.

A light duty glass fabric that has been heat treated to reduce smoke emissions during service.

### Applications

*Recommended for lagging cloth, marine and industrial use, and light weight curtain materials. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride.*

## Style 1143



## PERFORMANCE DATA

|                                 |                |
|---------------------------------|----------------|
| TEMPERATURE, MAXIMUM            | 1000°F (540°C) |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13        |

### Availability

0.046 inch (1.17 mm) thickness by 40 inch (101.6 cm) widths with lengths to be specified.

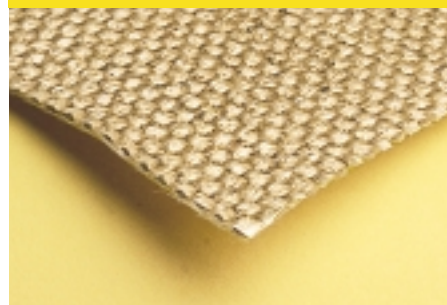
Approximate weight: 26 oz/yd<sup>2</sup> (0.870 kg/m<sup>2</sup>) Typical

Medium duty glass fabric that has been heat treated to reduce smoke emissions during service.

### Applications

*Recommended for thermal insulation, flame and heat barriers, pad fabrics, flange and valve covers, and other high temperature applications. Resistant to most chemicals except hydrofluoric and hot phosphoric acids and hydrogen chloride.*

## Style 1144



## Style 1145



Alumina-silica ceramic cloth with an inonel wire insert to enhance the strength of the fabric. Heat treated to remove all traces of organic processing fibers.

### Applications

*Recommended for thermal insulation, flame and heat barriers, and other high temperature insulation applications, as well as jacket and wrapping material. Resistant to most chemicals except hydrofluoric and phosphoric acids and concentrated alkalis.*

### PERFORMANCE DATA

#### TEMPERATURE

|                        |                 |
|------------------------|-----------------|
| Ceramic fiber, maximum | 2300°F (1260°C) |
| Inonel wire, maximum   | 2000°F (1093°C) |

|                                 |         |
|---------------------------------|---------|
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13 |
|---------------------------------|---------|

#### Availability

.125 inch (3.2 mm) thickness by 36 inch (914 mm) widths.

## Style 1146



Premium weight quality 94% silica-quartz filament ceramic fabric.

### Applications

*Recommended for thermal insulation, flame and heat barriers, pad fabrics, valve and generator covers, curtains, damage control cloth, and other high temperature insulation applications. Resistant to most chemicals except hydrofluoric and phosphoric acids and strong caustics.*

### PERFORMANCE DATA

|                                 |                 |
|---------------------------------|-----------------|
| TEMPERATURE, MAXIMUM            | 2000°F (1093°C) |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13         |

#### Availability

0.028 inch (0.71 mm) thickness by 35 inch (88.9 cm) widths with lengths to be specified.



# High Temperature Protective & Insulating Products

# UTEX

## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 1000°F (582°C)   |
| PRESSURE, MAXIMUM               | 180 psi: (12.4 bar): (1.24 MPa):<br>(12.7 kg/cm <sup>2</sup> )(in steam service) |
| DENSITY                         | 96 lbs/ft <sup>3</sup> (1.54 g/cc) Typical                                       |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 9   |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2.25 for all thicknesses.  |
| "Y" Gasket Factor               | 2200 psi (151.7 bar) for all thicknesses.  |

### Availability

1" (25.4 mm), 2" (50.8 mm), 4" (101.6 mm), and 6" (152.4 mm) width rolls with 1/16" (1.59 mm) thickness and length to be specified up to 50 yards (45.7 m). Other thicknesses may be obtained by laminating one or more widths.

Approximate weight: 5 lbs/yd (2.5 kg/m) based on 1/16" (1.59 mm) thickness and 4" (101.6 mm) width.

Fiberglass fabric with a tacky natural rubber coating to provide adhesion during installation.

### Applications

*Recommended for thermal insulation, hand hole, manhole, or tadpole gaskets, fire doors, access doors, and static boiler and door applications, especially where steam is present. Suitable for low pressure steam, water, and other general services. Not suitable for ozone or UV light*

## Style 1148



## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 2300°F (1260°C)  |
| TENSILE STRENGTH                |  |
| ASTM D-686-76 (82)              | 5.5 psi (.04 MPa) @ 4 lbs/ft <sup>3</sup><br>(64 kg/m <sup>3</sup> )<br>9.9 psi (.07 MPa) @ 6 lbs/ft <sup>3</sup><br>(96 kg/m <sup>3</sup> )<br>12.5 psi (.09 MPa) @ 8 lbs/ft <sup>3</sup><br>(128 kg/m <sup>3</sup> ) |
| DENSITY                         | 4 lbs/ft <sup>3</sup> ; (64 kg/m <sup>3</sup> )<br>6 lbs/ft <sup>3</sup> ; (96 kg/m <sup>3</sup> )<br>8 lbs/ft <sup>3</sup> ; (128 kg/m <sup>3</sup> )   |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 13  |

### Availability

24" (61 cm) and 48" (122 cm) width rolls in 1/4" (6.35 mm), 1/2" (12.7 mm), 1 1/2" (38.1 mm), and 2" (50.8 mm) thickness. 1" (25.4 mm) and below thicknesses have 25 ft (7.6 m) per roll. 1 1/2" (38.1 mm) and up thicknesses have 12.5 ft (3.8 m) per roll

Approximate weight: 25 lbs per 1" x 24" x 25" (2.54 cm x 61 cm x 7.6 m) roll @ 6 lbs/ft<sup>3</sup> (96 kg/m<sup>3</sup>) density.

Strong, lightweight, flexible needed blanket that is made from spun ceramic fibers. If wet by water or steam, thermal and physical properties remain unaffected after drying.

### Applications

*Recommended for furnace, kiln, and boiler linings, investment casting mold wrapping, steam and gas turbine insulation, pipe insulation, high temperature gaskets, high temperature filtration, and other high temperature applications. Resistant to most chemicals except hydrofluoric and phosphoric acids and concentrated alkalis.*

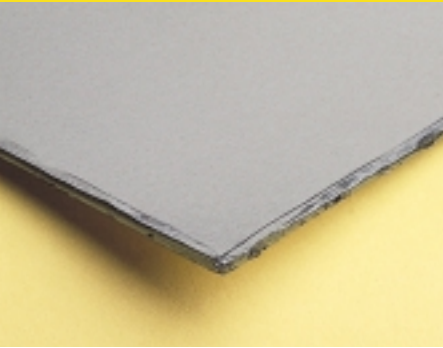
## Style 1175



# UTEX

## Textfoil Sheet Packing

### Style 1308



Smooth homogeneous flexible graphite sheet composed of purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

#### Applications

*Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oil applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.*

#### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | -400°F (-240°C) Minimum<br>850°F (450°C) In Oxid. Atm.<br>1200°F (650°C) In Steam<br>5423°F (3000°C) In Inert Atm. |
| PRESSURE, MAXIMUM               | 5000 psi; (344.7 bar);<br>(34.47 MPa); (351.5 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(ASTM F152) | 500 psi (3.45 MPa) Minimum   |
| DENSITY                         | 70 lbs/ft <sup>3</sup> ; (1.1 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2  |
| "Y" Gasket Factor               | 1000   |

#### Availability

24" x 24" (61 x 61 cm) sheet with .015" ± .002" (.388 mm) thickness. Other thickness available.

Approximate weight: 111.61 oz/yd<sup>2</sup> (3799/m<sup>2</sup>) for bulk density 62 lb/ft<sup>3</sup> (.99 g/cc)  
12.60 oz/yd<sup>2</sup> (4279/m<sup>2</sup>) for bulk density 70 lb/ft<sup>3</sup> (1.12 g/cc)

### Style 1309



Laminated flexible graphite sheet bonded to a .004" thick 316 stainless steel tang core. Flexible graphite is a purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

#### Applications

*Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, heat transfer oils, and many other applications. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.*

#### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | -400°F (-240°C) Minimum<br>850°F (450°C) In Oxid. Atm.<br>1200°F (650°C) In Steam<br>2750°F (1510°C) In Inert Atm. |
| PRESSURE, MAXIMUM               | 10,000 psi; (689.5 bar);<br>(68.95 MPa); (703 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(ASTM F152) | 500 psi (3.45 MPa) Minimum   |
| DENSITY                         | 70 lbs/ft <sup>3</sup> ; (1.1 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2  |
| "Y" Gasket Factor               | 2500   |

#### Availability

24" x 24" (61 x 61 cm) sheets with .030" ± .002" (.76 mm) thickness. Other thicknesses available.

Average weight:  
23.3 oz/yd<sup>2</sup> (790 g/m<sup>2</sup>) for bulk density 70 lb/ft<sup>3</sup> (1.12 g/cc)

# Texfoil Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | -400°F (-240°C) Minimum<br>850°F (450°C) In Oxid. Atm.<br>1200°F (650°C) In Steam<br>2750°F (1510°C) In Inert Atm. |
| PRESSURE, MAXIMUM               | 10,000 psi; (689.5 bar);<br>(68.95 MPa); (703 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(ASTM F152) | 500 psi (3.45 MPa) Minimum   |
| DENSITY                         | 70 lbs/ft <sup>3</sup> ; (1.1 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2  |
| "Y" Gasket Factor               | 2500   |

### Availability

24" x 24" (61 x 61 cm) sheets with .030" ± .002" (.762 mm) thickness. Other thicknesses available.

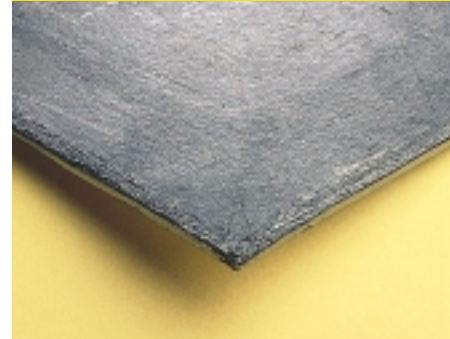
Average weight: 23.3 oz/yd<sup>2</sup> (790 g/m<sup>2</sup>) for bulk density 70 lb/ft<sup>3</sup> (1.1 g/cc)

Laminated flexible graphite sheet bonded to a .002" 316 stainless steel core. Flexible graphite is purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

### Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oils. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.

## Style 1310



## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | -400°F (-240°C) Minimum<br>850°F (450°C) In Oxid. Atm.<br>1200°F (650°C) In Steam<br>2750°F (1510°C) In Inert Atm. |
| PRESSURE, MAXIMUM               | 10,000 psi; (689.5 bar);<br>(68.95 MPa); (703 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH<br>(ASTM F152) | 500 psi (3.45 MPa) Minimum   |
| DENSITY                         | 70 lbs/ft <sup>3</sup> ; (1.1 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2  |
| "Y" Gasket Factor               | 2500   |

### Availability

24" x 24" (61 x 61 cm) sheets with .030" ± .002" (.762 mm) thickness. Other thicknesses available.

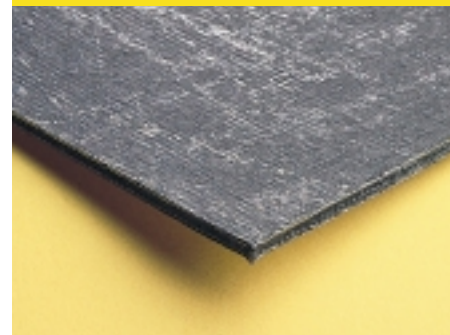
Average weight: 23.3 oz/yd<sup>2</sup> (790 g/m<sup>2</sup>) for bulk density 70 lb/ft<sup>3</sup> (1.1 g/cc)

Laminated flexible graphite sheet bonded to a 316 stainless steel core (.0075" wire diameter, 24 mesh). Flexible graphite is a purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing fillers or binders.

### Applications

Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oils. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.

## Style 1311

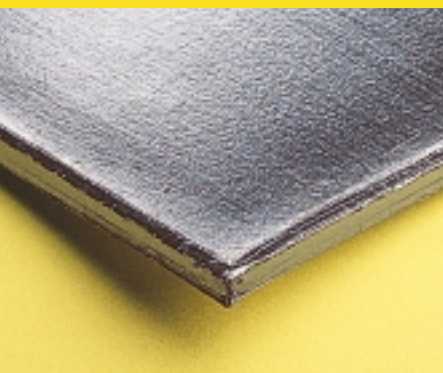




# UTEX

# Textfoil Sheet Packing

## Style 1313



Laminated flexible graphite sheet bonded to a .002" Hastelloy C276 steel core. Flexible graphite is purified natural graphite flake which has been expanded under heat and compressed into continuous sheeting containing no fillers or binders.

### Applications

*Suitable for high temperature, high pressure, and corrosive gasket applications. Recommended for gases, water, steam, hydrocarbons, oils and greases, alcohols, esters and ketones, and heat transfer oils. Exceptions are strong oxidizing compounds such as concentrated nitric acid, highly concentrated sulfuric acid, chromium and permanganate solutions, chloric acid, and molten alkaline or alkaline earth metals.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | -400°F (-240°C) Minimum<br>850°F (450°C) In Oxid. Atm.<br>1000°F (538°C) In Steam<br>1000°F (538°C) In Inert Atm. |
| PRESSURE, MAXIMUM               | 10,000 psi; (689.5 bar);<br>(68.95 MPa); (703 kg/cm <sup>2</sup> )  |
| TENSILE STRENGTH<br>(ASTM F152) | 500 psi; (3.45 MPa) Minimum   |
| DENSITY                         | 70 lbs/ft <sup>3</sup> ; (1.1 g/cc) Typical   |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 2   |
| "Y" Gasket Factor               | 2500  |

### Availability

24" x 24" (61 x 61 cm) sheets with .030" ± .002" (.762 mm) thickness. Other thicknesses available.

Average weight: 23.3 oz/yd<sup>2</sup> (790 g/m<sup>2</sup>) for bulk density 70 lb/ft<sup>3</sup> (1.1 g/cc)

# PTFE Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -400°F to 500°F (-240°C to 260°C)   |
| PRESSURE, MAXIMUM               | 1000 psi; (69 bar); (6.9 MPa); (70.3 kg/cm <sup>2</sup> )   |
| TENSILE STRENGTH (ASTM F152)    | 1500 psi (10.34 MPa) Typical  |
| DENSITY                         | 134.2 lbs/ft <sup>3</sup> ; (2.15 g/cc) Typical   |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 3.5 for 1/8" (3.18 mm) thickness<br>2.75 for 1/16" (1.59 mm) thickness                            |
| "Y" Gasket Factor               | 3200 psi (22 MPa) for 1/8" (3.18 mm) thickness<br>1600 psi (11 MPa) for 1/16" (1.59 mm) thickness |

### Availability

12" (30.5 cm) x 12" (30.5 cm), 24" (61 cm) x 24" (61 cm), 36" (91.44 cm) x 36" (91.44 cm), and 48" (122 cm) x 48" (122 cm) sheets with 1/64" (.4 mm), 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.4 mm), 1/8" (3.18 mm), 3/16" (4.76 mm) and 1/4" (6.35 mm) thicknesses.

Approximate weight: 1.5 lbs/ft<sup>2</sup> (7.26 kg/m<sup>2</sup>) based on 1/8" (3.18 mm) thick sheet.

A mechanical grade of virgin PTFE.

### Applications

Recommended for use in general sealing or gasket applications and as a bearing surface. Has a pH range of 0 -14 and is resistant to almost every acid or chemical except molten sodium hydroxide, dry fluorine gas, and molten sodium nitrate.

## Style 1140



## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -450°F to 600°F (-268°C to 316°C)                             |
| PRESSURE, MAXIMUM               | 3000 psi; (206.8 bar); (20.68 MPa); (211 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM F152)    | 1500 psi (10.34 MPa) Typical                                  |
| DENSITY                         | 31.2 lbs/ft <sup>3</sup> ; (.5 g/cc) Typical                  |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14   |

### Availability

60" x 60" x (152 cm x 152 cm) sheets in .020" (.5 mm), .040" (1 mm) and 1/16" (1.59 mm) and 1/8" (3.18 mm) thicknesses.

Made from 100% pure expanded PTFE to provide excellent sealability where irregularities, voids, or nicks exist on flange surfaces. Meets FDA 21 CFR 177.1550 requirements.

### Applications

Recommended for general sealing or gasket applications and other static sealing applications. Has a pH range of 0 -14 and is suitable for almost all services. Exceptions are elemental fluorine and molten alkaline metals.

## Style 1157



# UTEX

## PTFE Sheet Packing

### Style 1158



Sheet is a fawn color, PTFE composite compression sheet. Possesses outstanding chemical resistance and seals better than conventional PTFE gaskets. Reduces creep relaxation, cold flow problems, and retains bolt torque loads better than conventional PTFE. Meets FDA specifications.

#### Applications

*Recommended for gasket and other static applications. Has excellent compressibility properties and resistance to chemicals. Suitable for wet steam, gases, water, inorganic salt solutions, organic acids, alkalies, hydrocarbons, oils and greases, aliphatic alcohols, esters and ketones, and heat transfer oil applications. Not suitable for molten alkaline metals, fluorine gas, and hydrogen fluoride.*

#### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -350°F to 500°F (-212°C to 260°C)                            |
| PRESSURE, MAXIMUM               | 1200 psi; (82.7 bar); (8.27 MPa); (84.4 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM F152)    | 2150 psi (15 MPa) Typical                                    |
| DENSITY                         | 137 lbs/ft <sup>3</sup> ; (2.19 g/cc) Typical                |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 3.0 for all thicknesses                                      |
| "Y" Gasket Factor               | 3500 psi (24.1 MPa) for all thicknesses                      |

#### Availability

60" (152 cm) x 60" (152 cm) sheets with 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm) thicknesses.

Approximate weight: 214 lbs (97 kgs) based on 1/16" (1.59 mm) thick sheet.

### Style 1159



An off white color, PTFE composite compression sheet. Possesses outstanding chemical resistance and freedom from pigmentation. Utilizes a unique surface layer providing enhanced compressibility and sealing characteristics, especially for glass and glass lined flanges. Meets FDA specifications.

#### Applications

*Recommended for gasket and other static applications. Has excellent compressibility properties and resistance to chemicals. Suitable for wet steam, gases, water, inorganic salt solutions, organic acids, alkalies, hydrocarbons, oils and greases, aliphatic alcohols, esters and ketones, and heat transfer oil applications. Not suitable for molten alkaline metals, fluorine gas, and hydrogen fluoride.*

#### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -350°F to 500°F (-212°C to 260°C)                            |
| PRESSURE, MAXIMUM               | 1200 psi; (82.7 bar); (8.27 MPa); (84.4 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM F152)    | 1250 psi (8.6 MPa) Typical                                   |
| DENSITY                         | 114 lbs/ft <sup>3</sup> ; (1.83 g/cc) Typical                |
| pH RANGE AT AMBIENT TEMPERATURE | 0 to 14  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 2.5 for all thicknesses                                      |
| "Y" Gasket Factor               | 3000 psi (20.7 MPa) for all thicknesses                      |

#### Availability

60" (152 cm) x 60" (152 cm) sheets with 1/32" (.79mm), 1/16" (1.59 mm), 1/8" (3.18 mm) thicknesses.

Approximate weight: 178 lbs (80.7 kgs) per sheet based on 1/16" (1.59 mm) thicknesses.



# Rubber Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -10°F to 250°F<br>(-23°C to 121°C)                          |
| PRESSURE, MAXIMUM               |   |
| Used as a gasket or diaphragm   | 100 psi; (6.9 bar); (.69 MPa);<br>(7.03) kg/cm <sup>2</sup> |
| TENSILE STRENGTH                |   |
| (ASTM D412)                     | 500 psi; (3.45 MPa) Typical                                 |
| DENSITY                         | 111 lbs/ft <sup>3</sup> ; (1.78 g/cc) Typical               |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 65 - 85   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses                                      |
| "Y" Gasket Factor               | 0 psi   |

### Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.39 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm).

Approximate weight: 5.2 lbs/yd<sup>2</sup> (2.7 kg/m<sup>2</sup>) based on 1/16" (1.59 mm) thick sheet.

Sheet which is red in color with a cloth impression finish and a 65-85 durometer commercial grade of SBR rubber.

### Applications

Recommended for use in general sealing or gasket applications, including water, air, mild acids, and other light duty services.

## Style 1110



## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -20°F to 225°F (-29°C to 107°C)<br>250°F (121°C) intermittently |
| PRESSURE, MAXIMUM               |   |
| Used as a gasket or diaphragm   | 150 psi; (10.3 bar); (1.03 MPa);<br>(10.5)(kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH                |   |
| (ASTM D412)                     | 1,000 psi; (6.89 MPa) Typical                                   |
| DENSITY                         | 83 lbs/ft <sup>3</sup> ; (1.33 g/cc) Typical                    |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 60 - 70   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses  |
| "Y" Gasket Factor               | 0 psi   |

### Availability

36" (91.44 cm) wide continuous length in 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.53 mm), 1/2" (12.7 mm), 5/8" (15.88 mm), 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

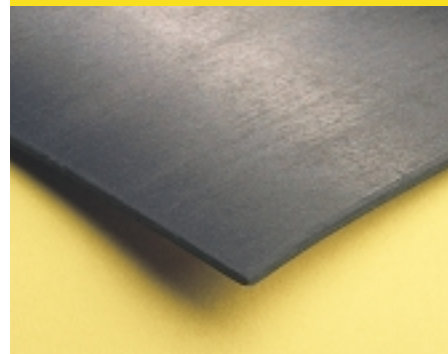
Approximate weight: 3.9 lbs/yd<sup>2</sup> (2.1 kg/m<sup>2</sup>) based on a 1/16" (1.59 mm) thick sheet.

A 60 durometer chloroprene rubber blend that has a smooth finish and black color.

### Applications

Recommended for use as pads, bumpers, and general sealing or gasket applications and is suitable for general services including ethylene glycol, water, air, alcohols, and salt water. Excellent as a weather stripping material. Not suitable for severe oil and ozone applications.

## Style 1112



## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -30°F to 250°F (-34°C to 121°C)                                 |
| PRESSURE, MAXIMUM               |   |
| Used as a gasket or diaphragm   | 250 psi; (17.2 bar); (1.72 MPa);<br>(17.57 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH                |   |
| (ASTM D412)                     | 1750 psi; (12 MPa) Typical                                      |
| DENSITY                         | 76.8 lbs/ft <sup>3</sup> ; (1.23 g/cc) Typical                  |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 55 - 75   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses  |
| "Y" Gasket Factor               | 0 psi   |

### Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.50 mm), and 1/2" (12.7 mm).

Approximate weight: 3.6 lbs/yd<sup>2</sup> (1.9 kg/m<sup>2</sup>) based on 1/16" (1.59 mm) thick sheet.

A 65 durometer nominal commercial grade of homogeneous nitrile (Buna-N) rubber that is black in color with a plate finish.

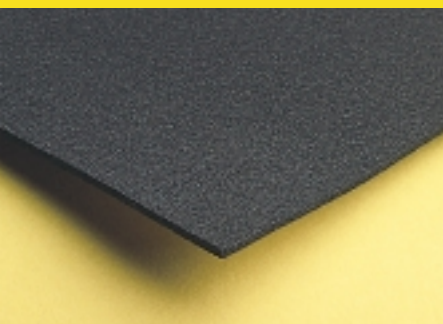
### Applications

Recommended for use as pads, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and other hydrocarbon services.

## Style 1113



## Style 1120



Medium density closed cell chloroprene sponge material.

### Applications

*Recommended for weather or door stripping, protector seals for API flanges, padding to reduce vibration, and other static gasket applications. Suitable for ozone applications, water, weather resistance, and other general light duty services.*

### PERFORMANCE DATA

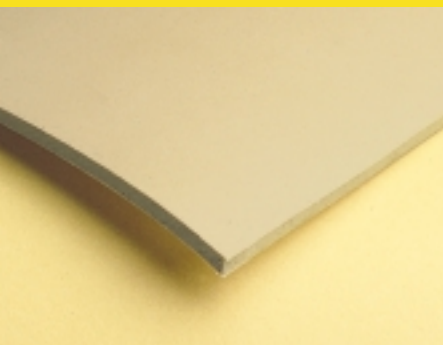
|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -70°F to 150°F (-57°C to 66°C)<br>200°F to (93°C) Intermittently |
| PRESSURE, MAXIMUM               | 100 psi; (6.89 bar); (.69 MPa);<br>(7.03 kg/cm <sup>2</sup> )    |
| TENSILE STRENGTH<br>(ASTM D412) | 55 psi (.38 MPa) Minimum   |
| DENSITY                         | 10 lbs/ft <sup>3</sup> (.16 g/cc) Typical                        |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 0 thickness  |
| "Y" Gasket Factor               | 0 psi  |

### Availability

42" (107 cm) x 60" (152 cm) sheet with 5/16" (8 mm) or 5/8" (15.88 mm) thicknesses.

Approximate weight: 6 lbs. (2.7 kg) based on 5/16" (8 mm) thick sheet.

## Style 1121



A 40 durometer commercial grade of Natural rubber that is tan in color with a smooth finish and highly elastic with excellent abrasion resistance. Meets FDA guidelines 21 CFR177.2600.

### Applications

*Recommended for use as pads, bumpers, and general service sealing or gasket applications, especially where irregular surfaces are present. Suitable for general services including inorganic salts, cold ammonia gas, some acids, air, water, alkalies, and other general services. Not suitable for oil and grease services. Suited for food contact and potable water services.*

### PERFORMANCE DATA

|                                       |  |
|---------------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM       | -20°F to 140°F (-29°C to 60°C)<br>200°F to (93°C) Intermittently |
| PRESSURE, MAXIMUM<br>Used as a gasket | 100 psi; (6.9 bar); (.69 MPa);<br>(7.03 kg/cm <sup>2</sup> )     |
| TENSILE STRENGTH<br>(ASTM D412)       | 3000 psi; (20.7 MPa) Typical                                     |
| DENSITY                               | 61 lbs/ft <sup>3</sup> (.98 g/cc) Typical                        |
| pH RANGE AT AMBIENT TEMPERATURE       | 4 to 10  |
| DUROMETER, SHORE "A"                  |  |
| ASTM D2240                            | 35 - 45  |
| BOLT TORQUE                           |  |
| "M" Gasket Factor                     | .5 for all thicknesses   |
| "Y" Gasket Factor                     | 0 psi  |

### Availability

36" (91.44 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 3/4" (19 mm), and 1" (25.4 mm).

Approximate weight: 2.9 lbs/yd<sup>2</sup> (1.6 kg/m<sup>2</sup>) based on 1/16" (1.59 mm) thick sheet.

## Style 1122



A blend of nitrile rubber and polyvinyl chloride plastic and is white in color. Meets FDA guidelines (CFR 177.2600) for rubber articles intended for repeated food use and is suitable for potable water requirements.

### Applications

*Recommended for gasket and other static applications and is suitable for oils, hydrocarbons, weather resistance, and food services.*

### PERFORMANCE DATA

|  |  |
|--|--|
| TEMPERATURE, MINIMUM TO MAXIMUM                    | -30°F to 225°F (-34°C to 107°C)                                |
| PRESSURE, MAXIMUM<br>Used as a gasket or diaphragm | 250 psi; (17.2 bar); (1.72 MPa);<br>(17.6 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH<br>(ASTM D412)                    | 1000 psi; (6.9 MPa) Typical                                    |
| DENSITY  | 96 lbs/ft <sup>3</sup> (1.54 g/cc)                             |
| pH RANGE AT AMBIENT TEMPERATURE                    | 5 to 10  |
| DUROMETER, SHORE "A"                               |  |
| ASTM D2240   | 60 - 70  |
| BOLT TORQUE  |  |
| "M" Gasket Factor                                  | .5 for all thicknesses   |
| "Y" Gasket Factor                                  | 0 psi  |

### Availability

36" (91.4 cm) wide continuous length in 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses

Approximate weight: 4.5 lbs/yd<sup>2</sup> (2.4 kg/m<sup>2</sup>) based on a 1/16" (1.59 mm) thick sheet.

# Rubber Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -10°F to 400°F (-23°C to 205°C)                                |
| PRESSURE, MAXIMUM               | 250 psi; (17.2 bar); (1.72 MPa);<br>(17.6 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH<br>(ASTM D412) | 1000 psi; (6.9 MPa) Typical                                    |
| DENSITY                         | 123 lbs/ft <sup>3</sup> (1.97 g/cc) Typical                    |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 10  |
| DUROMETER, SHORE "A"            | 65 - 75  |
| ASTM D2240                      |  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | .5 for all thicknesses   |
| "Y" Gasket Factor               | 0 psi  |

### Availability

36" (91.4 cm) wide continuous lengths with 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. Other sizes available upon request.

Approximate weight: 5.75 lbs (2.6 kg) based on a 1/16" (1.59 mm) thick sheet by 36" (91.4 cm) square.

High temperature fluorocarbon elastomer. Has smooth finish and is black in color.

### Applications

Recommended for gasket and other static applications. Excellent high temperature properties and resistance to aromatic hydrocarbons. Suitable for most acids, sour gas, oils, alcohols, alkalies, polar and chlorinated solvents, and hydrocarbons. Not suitable for service in low molecular weight esters and ethers, ketones, Freon refrigerant, hot anhydrous hydrofluoric or chlorosulphonic acids, certain amines, and alkyl phosphate esters.

## Style 1150



## PERFORMANCE DATA

|                                  |   |
|----------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM  | -20°F to 250°F (-29°C to 121°C)<br>275°F (135°C) Intermittently |
| PRESSURE, MAXIMUM                | 150 psi; (10.3 bar); (1.03 MPa);<br>(10.5 kg/cm <sup>2</sup> )  |
| TENSILE STRENGTH<br>(ASTM D-412) | 800 psi; (5.5 MPa) Typical                                      |
| DENSITY                          | 76.8 lbs/ft <sup>3</sup> (1.23 g/cc) Typical                    |
| pH RANGE AT AMBIENT TEMPERATURE  | 6 to 10   |
| DUROMETER, SHORE "A"             |   |
| ASTM D2240                       | 55 - 65   |
| BOLT TORQUE                      |   |
| "M" Gasket Factor                | .5 for all thicknesses  |
| "Y" Gasket Factor                | 0 psi   |

### Availability

36" (91.4 cm) wide continuous lengths in 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) and 1/2" (12.7 mm) thicknesses.

Approximate weight: 3.6 lbs/yd<sup>2</sup> (1.94 kg/m<sup>2</sup>) based on a 1/16" (1.59 mm) thick sheet.

Moderate service sheet composed of EPDM rubber with a smooth finish and black in color.

### Applications

Recommended for gasket and other static applications. Has excellent electrical and dynamic properties and resistance to steam. Suitable for anhydrous ammonia, steam, water, most inorganic chemicals, and other general services. Very resistant to weathering conditions.

## Style 1152



## PERFORMANCE DATA

|  |  |
|--|--|
| TEMPERATURE, MINIMUM TO MAXIMUM                  | -65°F to 450°F (-54°C to 232°C)                                |
| PRESSURE, MAXIMUM                                | 250 psi; (17.2 bar); (1.72 MPa);<br>(17.6 kg/cm <sup>2</sup> ) |
| MULLENS BURST STRENGTH<br>ASTM D-751-89, Sec. 18 | 48 psi: (.33 MPa) Minimum                                      |
| TENSILE STRENGTH<br>(ASTM D-412)                 | 800 psi; (5.5 MPa) Typical                                     |
| DENSITY  | 83.6 lbs/ft <sup>3</sup> (1.34 g/cc) Typical                   |
| pH RANGE AT AMBIENT TEMPERATURE                  | 7 to 12  |
| DUROMETER, SHORE "A"                             | 65 - 75  |
| ASTM D-2240                                      |  |
| BOLT TORQUE                                      |  |
| "M" Gasket Factor                                | 1.0 for 1/8" (3.18 mm) thickness                               |
| "Y" Gasket Factor                                | 200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness                |

### Availability

36" (91.4 cm) wide continuous lengths with 1/32" (.79 mm), 1/16" (1.59 mm), 3/32" (2.38 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

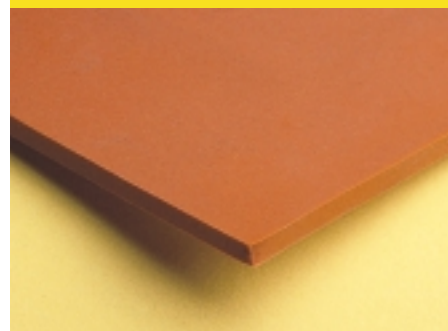
Approximate weight: 3.9 lbs/yd<sup>2</sup> (2.13 kg/m<sup>2</sup>) based on a 1/16" (1.59 mm) thick sheet.

Economical grade of silicone rubber. Has a smooth finish and is red in color.

### Applications

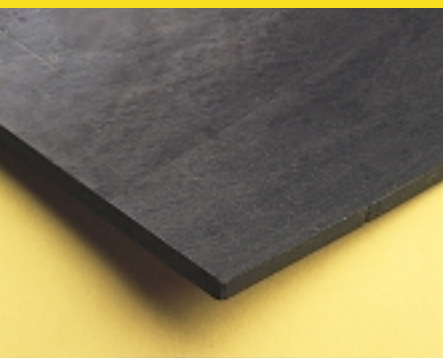
Recommended for use as pads, bumpers, weather stripping, and gasket and sealing applications. Suitable for hot oil, salt water, air, sunlight, ozone, and other general services. Has excellent weathering qualities. Not suitable for steam, ketones or hydrocarbons.

## Style 1155





## Style 1160



Calendered or molded from a 74 durometer high temperature AFLAS® fluoroelastomer compound. Based on a copolymer of tetrafluorethylene and propylene.

### Applications

*Recommended for gasket and other static applications. Has excellent high temperature properties and resistance to steam. Suitable for most acids, bases, high pH corrosion inhibitors, sour gas, oils, steam, alcohols, alkalies, polar solvents, and hydrocarbons. Has fair resistance to aromatic solvents, fuels, ketones, and low molecular weight esters and ethers. Not suitable for service in chlorinated solvents, Freon refrigerant, and tetrahydrofurane.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | +32°F to 450°F (0°C to 232°C)               |
| PRESSURE, MAXIMUM               | 275 psi; (19 bar); (1.9 MPa); (19.3 kg/cm²) |
| TENSILE STRENGTH (ASTM D412)    | 2000 psi; (13.8 MPa) Typical                |
| DENSITY                         | 95.5 lbs/ft³ (1.53 g/cc) Typical            |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 10                                     |
| DUROMETER, SHORE "A"            | 68 - 80                                     |
| ASTM D2240                      |   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses                      |
| "Y" Gasket Factor               | 0 psi                                       |

### Availability

Molded: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm), thicknesses and 32" x 32" sheets in all thicknesses. Calendered: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm), thicknesses and 36" wide sheets cut to length.

## Style 1161



Reinforced sheet comprises molded sheet made from a 74 durometer high temperature AFLAS® fluoroelastomer compound with nylon cloth insert. AFLAS® based on a copolymer of tetrafluorethylene and propylene.

### Applications

*Recommended for gasket and other static applications. Excellent high temperature properties and resistance to steam. Suitable for most acids, bases, high pH corrosion inhibitors, sour gas, oils, steam, alcohols, alkalies, polar solvents, and hydrocarbons. Has fair resistance to aromatic solvents, fuels, ketones, and low molecular weight esters and ethers. Not suitable for service in chlorinated solvents, Freon refrigerant, and tetrahydrofurane.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | +32°F to +350°F (0°C to 177°C)              |
| PRESSURE, MAXIMUM               | 400 psi; (27 bar); (2.7 MPa); (28.1 kg/cm²) |
| Used as a diaphragm or gasket   |   |
| MULLENS BURST STRENGTH          |   |
| ASTM D-751-89, SEC. 18          | 430 psi; (2.96 MPa) Minimum                 |
| TENSILE STRENGTH (ASTM D751)    | 2880 psi; (19.9 MPa) Typical                |
| DENSITY                         | 95.5 lbs/ft³ (1.53 g/cc) Typical            |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 10                                     |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 80  |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses                      |
| "Y" Gasket Factor               | 0 psi                                       |

### Availability

Molded: 1/32" (.79 mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses and 32" x 32" sheets in all thicknesses. Calendered: 1/32" (.79mm), 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm) and 1/4" (6.35 mm) thicknesses and 36" wide sheets cut to length.

# Rubber Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -50°F to 180°F (-46°C to 82°C)                           |
| PRESSURE, MAXIMUM               | 450 psi; (31 bar); (3.1 MPa); (31.6 kg/cm <sup>2</sup> ) |
| MULLENS BURST STRENGTH          |  |
| ASTM D-751-89, SEC. 18          | 240 psi; (1.65 MPa) Minimum                              |
| TENSILE STRENGTH                |  |
| (ASTM D412)                     | 5320 psi; (36.7 MPa) Typical                             |
| DENSITY                         | 77.4 lbs/ft <sup>3</sup> (1.24 g/cc) Typical             |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10  |
| DUROMETER, SHORE "A"            | 60 - 70  |
| ASTM D2240                      |  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | .5 for 1/8" (3.18 mm) thickness                          |
| "Y" Gasket Factor               | 0 psi  |

### Availability

24" (61 cm) x 24" (61 cm) and 48" (122 cm) x 48" (122 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm), 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 6.2 lbs (2.81 kgs) based on a 1/4" (6.35 mm) thick sheet.

65 durometer shore "A" homogeneous polyester polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

### Applications

Recommended for use as pads, wear resistant lining, bumpers, and general sealing or gasket applications. Suitable for general services including water, petroleum oils, air, and abrasive slurries.

## Style 1164



## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -50°F to 180°F (-46°C to 82°C)                           |
| PRESSURE, MAXIMUM               | 550 psi; (38 bar); (3.8 MPa); (38.7 kg/cm <sup>2</sup> ) |
| MULLENS BURST STRENGTH          |  |
| ASTM D-751-89, SEC. 18          | >460 psi; (3.17 MPa) Minimum                             |
| TENSILE STRENGTH                |  |
| (ASTM D412)                     | 7000 psi; (48.26 MPa) Typical                            |
| DENSITY                         | 79 lbs/ft <sup>3</sup> (1.265 g/cc) Typical              |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10  |
| DUROMETER, SHORE "A"            | 88 - 98  |
| ASTM D2240                      |  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 1.0 for 1/8" (3.18 mm) thickness                         |
| "Y" Gasket Factor               | 200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness          |

### Availability

24" (61 cm) x 24" (61 cm) and 48" (122 cm) x 48" (122 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm), 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

Approximate weight: 6.3 lbs (2.86 kgs) per sheet based on a 1/4" (6.35 mm) thickness.

A 95 durometer shore "A" homogeneous polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

### Applications

Recommended for use as pads, wear resistant lining, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils, water, air, and abrasive slurries.

## Style 1165



## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -50°F to 180°F (-46°C to 82°C)                              |
| PRESSURE, MAXIMUM               | 750 psi; (51.7 bar); (5.17 MPa); (52.7 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH                |   |
| (ASTM D412)                     | 6000 psi; (41.4 MPa) Typical                                |
| DENSITY                         | 79.5 lbs/ft <sup>3</sup> (1.273 g/cc) Typical               |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10   |
| DUROMETER, SHORE "D"            | 65 - 75   |
| ASTM D2240                      |   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 1.0 for 1/8" (3.18 mm) thickness                            |
| "Y" Gasket Factor               | 200 psi (1.38 MPa) for 1/8" (3.18 mm) thickness             |

### Availability

24" (61 cm) x 24" (61 cm) sheets with 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.70 mm), 5/8" (15.88 mm), 3/4" (19 mm), and 1" (25.4 mm) thicknesses.

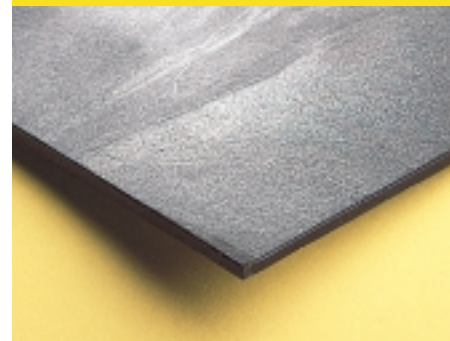
Approximate weight: 6.6 lbs (3 kgs) per sheet based on a 1/4" (6.35 mm) thickness.

Rigid 70 durometer (Shore "D") homogeneous polyurethane material that is abrasion resistant and more durable than rubber sheet materials. Has excellent load bearing capabilities.

### Applications

Recommended for use as pads, bumpers, protective barriers and specialized sealing or gasket applications. Suitable for general services including petroleum oils, water, air, and abrasive slurries.

## Style 1166



# UTEX

## Fabric Reinforced Sheet Packing

### Style 1114



An oil resistant nitrile (Buna-N) rubber diaphragm material with one layer of cotton fabric inserted into the middle of the sheet.

#### Applications

*Recommended for general sealing or gasket applications, metering diaphragms, and other static and dynamic applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, air, water, ammonia liquids and gases, natural gas, propane, butane, and other hydrocarbon services.*

#### PERFORMANCE DATA

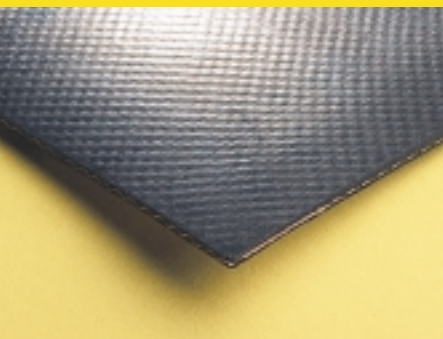
|   |  |
|---|--|
| TEMPERATURE, MINIMUM TO MAXIMUM           | -60°F to 250°F (-51°C to 121°C)  |
| PRESSURE, MAXIMUM                         |  |
| Used as a diaphragm, 1/32" (.79 mm) sheet | 85 psi; (6.9 bar); (.69 MPa); (7.03 kg/cm <sup>2</sup> )               |
| 1/16" (1.59 mm) sheet                     | 200 psi; (13.8 bar); (1.38 MPa); (14.06 kg/cm <sup>2</sup> )           |
| Used as a gasket                          | 200 psi; (13.8 bar); (1.38 MPa); (14.06 kg/cm <sup>2</sup> )           |
| MULLENS BURST STRENGTH                    | 225 psi; (1.55 MPa) based on 1/16" (1.59 mm) sheet, Typical            |
| ASTM D-751-89, Sec. 18.3                  | 100 psi; (.69 MPa) based on 1/32" (.79 mm) sheet, Typical              |
| DENSITY                                   | 6.7 lbs/ft <sup>3</sup> ; (.11 g/cc) for 1/32" (.79 mm) sheet, Typical |
|   | 5.9 lbs/ft <sup>3</sup> ; (.1 g/cc) for 1/16" (1.59 mm) sheet, Typical |
| pH RANGE AT AMBIENT TEMPERATURE           | 4 to 10  |
| DUROMETER, SHORE "A"                      |  |
| ASTM D2240                                | 30 to 50   |
| BOLT TORQUE                               |  |
| "M" Gasket Factor                         | 1.25 for all thicknesses   |
| "Y" Gasket Factor                         | 400 psi (4.76 MPa) for all thicknesses                                 |

#### Availability

44" (111.75 cm) wide continuous lengths with thicknesses of 1/32" (.79 mm), thickness and 56" (142.25 cm) wide continuous length in 1/16" (1.59 mm) thick sheet.

Approximate weight: 2.5 lbs/yd<sup>2</sup> (1 kg/m<sup>2</sup>) for the 1/32" (.79 mm) thick sheet. 3.3 lbs/yd<sup>2</sup> (1.8 kg/m<sup>2</sup>) for the 1/16" (1.59 mm) thick sheet.

### Style 1115



A high pressure oil resistant chloroprene rubber with Nylon® cloth inserted into the middle of the sheet. The 1/16" (1.59 mm) through 3/16" (4.72 mm) thicknesses have one ply of fabric and the 1/4" (6.3 mm) thickness has two plies of fabric.

#### Applications

*Recommended for use as metering diaphragms, general sealing or gasket applications, regulators, vacuum pumps, and other static and dynamic applications. Suitable for general services including petroleum oils, hydraulic fluids, alcohols, water, steam, mild acids, air and other gases.*

#### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MINIMUM TO MAXIMUM | -60°F to 250°F (-51°C to 121°C)                              |
| PRESSURE, MAXIMUM               |  |
| Used as a diaphragm             | 1000 psi; (68.9 bar); (6.89 MPa); (70.3 kg/cm <sup>2</sup> ) |
| Used as a gasket                | 300 psi; (20.7 bar); (2.07 MPa); (21.1 kg/cm <sup>2</sup> )  |
| MULLENS BURST STRENGTH          |  |
| ASTM D-751-89, Sec. 18.3        | 1000 psi (6.89 MPa) Minimum                                  |
| DENSITY                         | 7.16 lbs/ft <sup>3</sup> (.115 g/cc) Typical                 |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10  |
| DUROMETER, SHORE "A"            |  |
| ASTM D2240                      | 65 to 75   |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 1.25 for all thicknesses                                     |
| "Y" Gasket Factor               | 400 psi (2.76 MPa) for all thicknesses                       |

#### Availability

56" (142 cm) wide continuous length in 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.72 mm), 1/4" (6.3 mm) thicknesses.

Approximate weight: 4.03 lb/yd<sup>2</sup> (2.19 kg/m<sup>2</sup>) for the 1/16" (1.59 mm) thick sheet. 8.07 lb/yd<sup>2</sup> (4.38 kg/m<sup>2</sup>) for the 1/8" (3.18 mm) thick sheet. 12.1 lb/yd<sup>2</sup> (6.57 kg/m<sup>2</sup>) for the 3/16" (4.72 mm) thick sheet. 16.1 lb/yd<sup>2</sup> (8.76 kg/m<sup>2</sup>) for the 1/4" (6.3 mm) thick sheet.



# Fabric Reinforced Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -40°F to 250°F (-40°C to 121°C)   |
| PRESSURE, MAXIMUM               |   |
| Used as a diaphragm,            |   |
| 1/64" (.38 mm) sheet            | 100 psi; (6.9 bar); (.69 MPa);<br>(7.03 kg/cm <sup>2</sup> )  |
| 1/16" (1.58 mm) sheet           | 300 psi; (20.7 bar); (2.07 MPa);<br>(21.1 kg/cm <sup>2</sup> )  |
| Used as a gasket                | 300 psi; (20.7 bar); (2.07 MPa);<br>(21.1 kg/cm <sup>2</sup> )  |
| MULLENS BURST STRENGTH          |   |
| ASTM D-751-89, Sec. 18.3        | 100 psi (6.9 MPa) based on<br>1/64" (.38 mm) sheet, Typical<br>400 psi (2.75 MPa) based on<br>1/16" (.79 mm) sheet, Typical |
| DENSITY                         | 5.5 lbs/ft <sup>3</sup> (.09 g/cc) Typical  |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 72 to 82  |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 1.25 for both thicknesses   |
| "Y" Gasket Factor               | 400 psi (2.76 MPa) for both thicknesses   |

### Availability

57" (144.5 cm) wide continuous length in 1/64" (.38 mm) thickness and  
60" (142.2 cm) wide continuous length in 1/32" (.79 mm) thickness

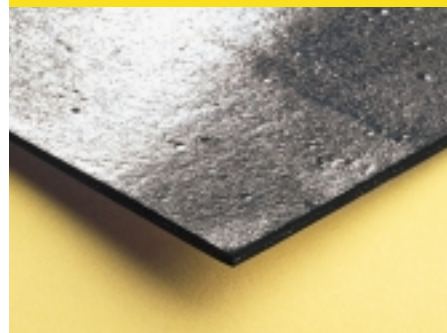
Approximate weight: .75 lb/yd<sup>2</sup> (.40 kg/m<sup>2</sup>) for the 1/64" (.38 mm) thick sheet.  
1.56 lb/yd<sup>2</sup> (.85 kg/m<sup>2</sup>) for the 1/32" (.79 mm) thick sheet

An all purpose oil resistant nitrile (Buna-N) rubber with one layer of Nylon® cloth inserted into the middle of the sheet.

### Applications

*Recommended for use as metering diaphragms, general sealing or gasket applications, carburetors, regulators, vacuum pumps, and other static and dynamic applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, steam, air and other gases.*

## Style 1116



## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MINIMUM TO MAXIMUM | -60°F to 225°F (-51°C to 107°C)   |
| PRESSURE, MAXIMUM               |   |
| Used as a diaphragm,            |   |
| 1/16" (1.59 mm) sheet           | 300 psi; (20.7 bar); (2.07 MPa);<br>(21.1 kg/cm <sup>2</sup> )  |
| 1/8" (3.18 mm) sheet            | 500 psi; (34.5 bar); (3.45 MPa);<br>(35.2 kg/cm <sup>2</sup> )  |
| Used as a gasket                | 300 psi; (20.7 bar); (2.07 MPa);<br>(21.1 kg/cm <sup>2</sup> )  |
| MULLENS BURST STRENGTH          |   |
| ASTM D-751-89, Sec. 18.3        | 315 psi (2.17 MPa) based on<br>1/16" (1.59 mm) sheet, Typical<br>560 psi (3.81 MPa) based on<br>1/8" (3.18 mm) sheet, Typical |
| TENSILE STRENGTH<br>(ASTM D412) | 1100 psi (7.58 MPa) based on<br>1/16" (1.59 mm) sheet, Typical  |
| DENSITY                         | 6.4 lbs/ft <sup>3</sup> (.1 g/cc) Typical   |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| DUROMETER, SHORE "A"            |   |
| ASTM D2240                      | 65 to 75  |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 1.25 for 1/16" (1.59 mm) thickness  |
| "Y" Gasket Factor               | 400 psi (2.76 MPa) for 1/16" (1.59 mm) thickness  |

### Availability

50" (127 cm) wide continuous length in 1/16" (1.59 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses.

Approximate weight: 3.6 lbs/yd<sup>2</sup> (1.94 kg/m<sup>2</sup>) based on 1/16" (1.59 mm) thick sheet.

Black chloroprene rubber with a cotton fabric insert in the middle of the sheet. There is one ply of fabric for every 1/16" of thickness.

### Applications

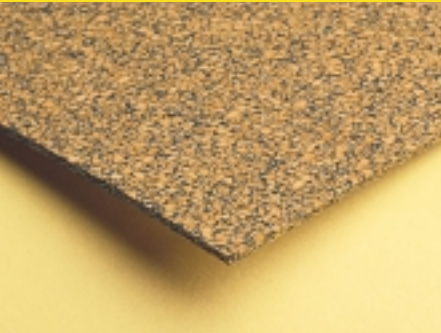
*Recommended for use as diaphragm, gasket, regulator, control valve, and other static and dynamic applications. Excellent for petroleum oil service. Other applications include water, hydrocarbons, salt water, some acids, and general service.*

## Style 1117



See Style 1161 – page 18.

## Style 1129



A cork and rubber material with medium size cork granules held together with a nitrile rubber binder.

### Applications

*Recommended for use as pads, bumpers, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and other hydrocarbon services.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)   |
| PRESSURE, MAXIMUM               | 150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM D412)    | 200 psi (1.38 MPa) Minimum                                  |
| DENSITY                         | 32 lbs/ft <sup>3</sup> (.51 g/cc) Minimum                   |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses                                      |
| "Y" Gasket Factor               | 0   |

### Availability

36" x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available upon request.

Approximate weight: 1.75 lbs (.8 kgs) per sheet based on 1/16" (1.57mm) thickness.

## Style 1130



General purpose synthetic polymer bonded cork material with medium sized cork granule.

### Applications

*Recommended for use as pads, bumpers, automotive sealing applications, and general sealing or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and automotive fluid sealing.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)   |
| PRESSURE, MAXIMUM               | 150 psi; (10.3 bar); (1.03 MPa); (10.5 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM D412)    | 100 psi (.69 MPa) Minimum                                   |
| DENSITY                         | 17 lbs/ft <sup>3</sup> (.27 g/cc) Minimum                   |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | .5 for all thicknesses                                      |
| "Y" Gasket Factor               | 0   |

### Availability

36" (91.4 cm) x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available on request.

Approximate weight: .8 lbs (.36 kg) per sheet based on 1/16" (1.59 mm) sheet.

# Miscellaneous Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)  |
| PRESSURE, MAXIMUM               | 150 psi; (10.3 bar); (1.03 MPa);<br>(10.5 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM D412)    | 150 psi (1.03 MPa) Minimum                                     |
| DENSITY                         | 35 lbs/ft <sup>3</sup> (.56 g/cc) Minimum                      |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | .5 for all thicknesses   |
| "Y" Gasket Factor               | 0  |

### Availability

36" (91.4 cm) x 36" (91.4 cm) sheets with 1/32" (.79 mm) to 3-1/2" (88.9 mm) thicknesses. Other widths and lengths available on request.

Approximate weight: 1.87 lbs (.85 kg) per sheet based on 1/16" (1.57 mm) thickness.

Cork and rubber material with medium size cork granules held together with a chloro-prene rubber binder.

### Applications

*Recommended for use as pads, bumpers, automotive fluid sealing applications, and general service or gasket applications. Suitable for general services including petroleum oils and solvents, hydraulic fluids, alcohols, gasoline, water, air, and automotive fluid sealing.*

## Style 1131



## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 225°F (107°C)  |
| PRESSURE, MAXIMUM               | 150 psi; (10.3 bar); (1.03 MPa);<br>(10.5 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM D710)    | 8000 psi (55.1 MPa)  |
| Crosswise                       | minimum  |
|                                 | 14000 psi (96.5 MPa)   |
|                                 | Lengthwise minimum   |
| DENSITY                         | 81.1 lbs/ft <sup>3</sup> (1.3 g/cc) Minimum                    |
| pH RANGE AT AMBIENT TEMPERATURE | 4 to 10  |
| DUROMETER, ROCKWELL             | R-80   |
| ASTM D710                       |  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 1.75 for 1/16" (1.59 mm) thickness                             |
| "Y" Gasket Factor               | 1100 psi (76 bar) for 1/16" (1.59 mm) thickness                |

### Availability

50" (127 cm) x 84" (213.36 cm) sheets with 1/16" (1.59 mm) and 1/8" (3.18 mm) thicknesses. Coils as narrow as .187" (4.76 mm) available.

Approximate weight: 12.3 lbs (5.6 kgs) per sheet based on 1/16" (1.59 mm) thickness.

Manufactured from a selected grade of paper that is treated with special resins and bonded together under high pressure and temperature to form a pliable, yet bone-like hard material.

### Applications

*Recommended for use in general sealing or gasket applications, and electrical applications. Suitable for general services including petroleum oils, hydraulic fluids, alcohols, gasoline, and other hydrocarbon services.*

## Style 1132



## Style 1133



A medium hard grey wool felt material that is resilient and durable and will not fray when cut.

### Applications

*Recommended for use as pads, bumpers, dust shields, grease wipers, vibration mountings, oil wicks, and sound deadening insulation. Suitable for petroleum oils and greases, hydraulic fluids, gasoline, and general services.*

### PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)                               |
| TENSILE STRENGTH (ASTM D461)    | 275 psi (1.9 MPa) Minimum                   |
| DENSITY                         | 1.36 lbs/ft <sup>3</sup> (.02 g/cc) Typical |
| pH RANGE AT AMBIENT TEMPERATURE | 3 to 6                                      |

### Availability

72" wide continuous lengths with thicknesses of 1/8" (3.18 mm), 3/16" (4.76 mm), 1/4" (6.35 mm), 5/16" (7.94 mm), 3/8" (9.50 mm), 1/2" (12.7 mm), 5/8" (15.88 mm), 3/4" (19.05 mm), and 1" (25.4 mm).

Approximate weight: 3 lbs/yd<sup>2</sup> (1.6 kg/m<sup>2</sup>) based on a 1/4" (6.35 mm) thick sheet.

## Style 1134



A glycerine glue impregnated cork and vegetable fiber material. Contains 60% fiber and 40% cork by volume making it a soft compressible material adaptable for low pressure gasket applications.

### Applications

*Recommended for use as a gasket in automotive, small engine, and general flange gasket applications, especially where flange loads are limited. Suitable for oils, water, gasoline, ethylene glycol, and other general service.*

### PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)  |
| PRESSURE, MAXIMUM               | 100 psi; (6.89 bar); (.69 MPa); (7.03 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM F152)    | 1000 psi (6.89 MPa) Minimum                                |
| DENSITY                         | 47.3 lbs/ft <sup>3</sup> (.76 g/cc) Typical                |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10  |

### BOLT TORQUE

|                   |   |
|-------------------|---|
| "M" Gasket Factor | 1.75 for all thicknesses                |
| "Y" Gasket Factor | 1100 psi (7.58 MPa) for all thicknesses |

### Availability:

36" (91.44 cm) wide continuous lengths with 1/64" (.39 mm), 1/32" (.79 mm), 3/64" (1.19 mm), 1/16" (1.59 mm), 3/32" (2.36 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. Other sizes and thicknesses are available on request.

Approximate weight: 1.1 lbs/yd<sup>2</sup> (.59 kg/m<sup>2</sup>) based on 1/32" (.79 mm) sheet



# Miscellaneous Sheet Packing UTEX

## PERFORMANCE DATA

|                                 |   |
|---------------------------------|---|
| TEMPERATURE, MAXIMUM            | 250°F (121°C)   |
| PRESSURE, MAXIMUM               | 100 psi; (6.89 bar); (.69 MPa);<br>(7.03 kg/cm <sup>2</sup> ) |
| TENSILE STRENGTH (ASTM F152)    | 2000 psi (13.79 MPa) Typical                                  |
| DENSITY                         | 47.3 lbs/ft <sup>3</sup> (.76 g/cc) Typical                   |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10   |
| BOLT TORQUE                     |   |
| "M" Gasket Factor               | 1.75 for all thicknesses                                      |
| "Y" Gasket Factor               | 1100 psi (7.58 MPa) for all thicknesses.                      |

### Availability

36" (91.44 cm) wide continuous lengths with 1/64" (.39 mm), 1/32" (.79 mm), 3/64" (1.19 mm), 1/16" (1.59 mm), 3/32" (2.36 mm), 1/8" (3.18 mm), 3/16" (4.76 mm), and 1/4" (6.35 mm) thicknesses. Other sizes and thicknesses are available on request.

Approximate weight: 1.1 lbs/yd<sup>2</sup> (.59 kg/m<sup>2</sup>) based on 1/32" (.79 mm) sheet.

A premium grade of vegetable fiber sheet that is impregnated with a glue-glycerine to provide a strong yet flexible material. The glue-glycerine is rendered insoluble by means of a tanning agent (formaldehyde).

### Applications

*Recommended for general flange gasket applications. Suitable for oils, water, gasoline, ethylene glycol, and other general services.*

## Style 1135



## PERFORMANCE DATA

|                                 |  |
|---------------------------------|--|
| TEMPERATURE, MAXIMUM            | 200°F (93°C)   |
| PRESSURE, MAXIMUM               | 5 psi; (.34 bar); (.034 MPa);<br>(.35 kg/cm <sup>2</sup> ) |
| DENSITY                         | 46.7 lbs/ft <sup>3</sup> (.75 g/cc) Typical                |
| pH RANGE AT AMBIENT TEMPERATURE | 5 to 10  |
| BOLT TORQUE                     |  |
| "M" Gasket Factor               | 1.75   |
| "Y" Gasket Factor               | 1100 psi (7.58 MPa)  |

### Availability

37" x 37" (94 cm x 94 cm) sheet with 1/8" (3.18 mm) thickness.

Approximate weight: 3 lbs (1.36 kgs) per sheet.

Manufactured from wood pulp and pressed into a soft paper board to provide an inexpensive, temporary gasket material.

### Applications

*Recommended for temporary tank car gaskets, filler cap spouts, flange protectors, and other light duty temporary gasket applications. Suitable for oils, viscous fluids, air, and other general services.*

## Style 1136



# UTEX

# How We Line Up

| Utex Style | Construction Materials                  | Garlock      | Klinger (Thermoseal) | John Crane | Phelps Dodge | Chesterton | John Manvi |
|------------|---|--------------|----------------------|------------|--------------|------------|------------|
| 1110       | Red Rubber                              | 91           |                      | 555        | 7237         | 100        | 107        |
| 1112       | Chloroprene Rubber                      | 8639         |                      | 999        | 7104/7108    |            | 104-0      |
| 1113       | Nitrile Rubber                          | 8495         |                      | 900        | 7126         |            |            |
| 1114       | Cotton Inserted Nitrile                 | 9205         |                      |            | 7330         |            |            |
| 1115       | Nylon Inserted Chloroprene              | 7992         |                      | 998        |              | 122NN      |            |
| 1116       | Nylon Inserted Nitrile                  |              |                      |            |              |            | 109        |
| 1117       | Cotton Inserted Chloroprene             | 8798         |                      | 777        | 7332         |            | 105        |
| 1120       | Closed Cell Chloroprene Sponge          |              |                      |            |              |            |            |
| 1121       | Natural Rubber                          | 6023         |                      |            |              |            |            |
| 1122       | Nitrile and PVC Blend                   |              |                      |            |              |            |            |
| 1123       | Compressed Non-asbestos/SBR Binder      | 3200/3400    | C-6400               | 4160       |              |            |            |
| 1125       | Compressed Non-asbestos/NBR Binder      | ST-706       | C-4401               | 2160       | 7001         | 195        |            |
| 1126       | Tacky Glass Cloth w/Wire Insert         | 6050         |                      | 872G       |              |            |            |
| 1127       | Tacky Glass Cloth                       |              |                      |            |              |            |            |
| 1128       | Compressed Non-asbestos/Wire Insert     |              | C-4408               | 2161       |              | 189        |            |
| 1129       | Cork w/Nitrile Binder                   |              |                      |            |              |            |            |
| 1130       | General Purpose Cork                    |              |                      |            |              |            |            |
| 1131       | Cork w/Chloroprene Binder               |              |                      |            |              |            |            |
| 1132       | Bone-Hard Fiber Sheet                   |              |                      |            |              |            |            |
| 1133       | Medium Wool Felt                        |              |                      |            |              |            |            |
| 1134       | Cork and Vegetable Fiber Sheet          | 660          |                      |            |              |            |            |
| 1135       | Vegetable Fiber Sheet                   | 681          |                      | 444        |              | 140        | 711        |
| 1136       | Paper Board                             |              |                      |            |              |            |            |
| 1137       | Compressed Carbon Fiber/NBR Binder      | HTC-9800     | C-4500               |            |              | 197        |            |
| 1139       | Silica-Alumina Ceramic Fiber            |              |                      |            |              |            |            |
| 1140       | Virgin PTFE                             |              |                      | 68B/C      |              |            |            |
| 1142       | Vermiculite Coated Glass Cloth          |              | 906                  |            |              |            |            |
| 1143       | Light Duty Glass Cloth                  |              | 900                  |            |              |            |            |
| 1144       | Medium Duty Glass Cloth                 | Thermo-Sil   |                      |            |              | 162        |            |
| 1145       | Wire Reinforced Ceramic Cloth           |              | 901                  |            |              |            |            |
| 1146       | Silica-Quartz Fabric                    | Thermo-Ceram |                      |            |              |            |            |
| 1148       | Fiberglass w/Tacky Rubber               |              |                      |            |              |            |            |
| 1150       | Fluorocarbon Rubber                     |              |                      | 2005       | 7187         |            |            |
| 1152       | EPDM Rubber                             | 8314         |                      |            | 7157         |            |            |
| 1155       | Silicone Rubber                         |              |                      | 2001       |              |            |            |
| 1157       | Expanded PTFE Sheet                     | 3540/3545    |                      |            |              |            |            |
| 1158       | PTFE Composite                          | 3500         |                      |            |              |            |            |
| 1159       | PTFE Composite/Enhanced Compressibility | 3510         |                      |            |              | 196        |            |
| 1160       | Aflas® Rubber                           |              |                      |            |              |            |            |
| 1161       | Nylon Inserted Aflas®                   |              |                      |            |              |            |            |
| 1164       | 65 Shore "A" Polyurethane               |              |                      |            |              |            |            |
| 1165       | 95 Shore "A" Polyurethane               |              |                      |            |              |            |            |
| 1166       | 70 Shore "D" Polyurethane               |              |                      |            |              |            |            |
| 1175       | Spun Ceramic Blanket                    |              |                      |            |              |            |            |
| 1308       | Flexible Graphite Laminate              | 3123         | HL                   | Crane-Foil |              | 198        |            |
| 1309       | Flexible Graphite/Tanged Steel Core     | 3125TC       | PSM                  |            |              |            |            |
| 1310       | Flexible Graphite/316 S.S. Core         | 3125SS       | SLS                  |            |              | 199        |            |
| 1311       | Flexible Graphite/316 S.S. Mesh Core    | 3124         |                      |            |              |            |            |

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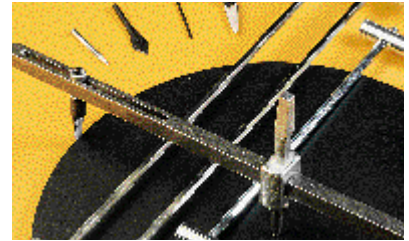
# Finding The Right Material UTEX

| Utex Style | Temperature (Maximum)* | Pressure (Maximum)* | Tensile Strength | Density         | pH Range | Page |
|------------|------------------------|---------------------|------------------|-----------------|----------|------|
| 1110       | 250°F                  | 100 psi             | 500 psi          | 111 lbs/ft³     | 4 to 10  | 15   |
| 1112       | 225°F                  | 150 psi             | 1,000 psi        | 83 lbs/ft³      | 4 to 10  | 15   |
| 1113       | 250°F                  | 250 psi             | 1,750 psi        | 76.8 lbs/ft³    | 4 to 10  | 15   |
| 1114       | 250°F                  | 200 psi             | —                | 6.7/5.9 lbs/ft³ | 4 to 10  | 20   |
| 1115       | 250°F                  | 1,000 psi           | —                | 7.16 lbs/ft³    | 4 to 10  | 20   |
| 1116       | 250°F                  | 300 psi             | —                | 5.5 lbs/ft³     | 4 to 10  | 21   |
| 1117       | 225°F                  | 500 psi             | 1,100 psi        | 6.4 lbs/ft³     | 4 to 10  | 21   |
| 1120       | 150°F                  | 100 psi             | 55 psi           | 10 lbs/ft³      | 4 to 10  | 16   |
| 1121       | 140°F                  | 100 psi             | 3,000 psi        | 61 lbs/ft³      | 4 to 10  | 16   |
| 1122       | 225°F                  | 250 psi             | 1,000 psi        | 96 lbs/ft³      | 5 to 10  | 16   |
| 1123       | 450°F                  | 400 psi             | 1,600 psi        | 112.4 lbs/ft³   | 3 to 12  | 4    |
| 1125       | 750°F                  | 1,400 psi           | 2,200 psi        | 112 lbs/ft³     | 3 to 12  | 4    |
| 1126       | 400°F                  | 180 psi             | —                | 96 lbs/ft³      | 2 to 10  | 6    |
| 1127       | 400°F                  | 100 psi             | —                | 96 lbs/ft³      | 4 to 9   | 6    |
| 1128       | 750°F                  | 1,400 psi           | 3,000 psi        | 131 lbs/ft³     | 3 to 12  | 5    |
| 1129       | 250°F                  | 150 psi             | 200 psi          | 32 lbs/ft³      | 4 to 10  | 22   |
| 1130       | 250°F                  | 150 psi             | 100 psi          | 17 lbs/ft³      | 4 to 10  | 22   |
| 1131       | 250°F                  | 150 psi             | 150 psi          | 35 lbs/ft³      | 4 to 10  | 23   |
| 1132       | 225°F                  | 150 psi             | 14,000 psi       | 81.1 lbs/ft³    | 4 to 10  | 23   |
| 1133       | 250°F                  | —                   | 275 psi          | 1.36 lbs/ft³    | 3 to 6   | 24   |
| 1134       | 250°F                  | 100 psi             | 1,000 psi        | 47.3 lbs/ft³    | 5 to 10  | 24   |
| 1135       | 250°F                  | 100 psi             | 2,000 psi        | 47.3 lbs/ft³    | 5 to 10  | 25   |
| 1136       | 200°F                  | 5 psi               | —                | 46.7 lbs/ft³    | 5 to 10  | 25   |
| 1137       | 850°F                  | 2,000 psi           | 1,500 psi        | 87 lbs/ft³      | 3 to 12  | 5    |
| 1139       | 2,300°F                | 150 psi             | 11.25 lbs./in.   | 10 lbs/ft³      | 3 to 13  | 8    |
| 1140       | 500°F                  | 1,000 psi           | 1,500 psi        | 134.2 lbs/ft³   | 0 to 14  | 13   |
| 1142       | 1,800°F                | —                   | —                | —               | 3 to 13  | 7    |
| 1143       | 1,000°F                | —                   | —                | —               | 3 to 13  | 7    |
| 1144       | 1,000°F                | —                   | —                | —               | 3 to 13  | 7    |
| 1145       | 2,300°F                | —                   | —                | —               | 3 to 13  | 8    |
| 1146       | 2,000°F                | —                   | —                | —               | 3 to 13  | 9    |
| 1148       | 1,000°F                | 180 psi             | —                | 96 lbs/ft³      | 4 to 9   | 9    |
| 1150       | 400°F                  | 250 psi             | 1,000 psi        | 123 lbs/ft³     | 3 to 10  | 17   |
| 1152       | 250°F                  | 150 psi             | 800 psi          | 76.8 lbs/ft³    | 6 to 10  | 17   |
| 1155       | 450°F                  | 250 psi             | 800 psi          | 83.6 lbs/ft³    | 7 to 12  | 17   |
| 1157       | 600°F                  | 3,000 psi           | 1,500 psi        | 31.2 lbs/ft³    | 0 to 14  | 13   |
| 1158       | 500°F                  | 1,200 psi           | 2,150 psi        | 137 lbs/ft³     | 0 to 14  | 14   |
| 1159       | 500°F                  | 1,200 psi           | 1,250 psi        | 114 lbs/ft³     | 0 to 14  | 14   |
| 1160       | 450°F                  | 275 psi             | 2,000 psi        | 95.5 lbs/ft³    | 3 to 10  | 18   |
| 1161       | 350°F                  | 400 psi             | 2,880 psi        | 95.5 lbs/ft³    | 3 to 10  | 18   |
| 1164       | 180°F                  | 450 psi             | 5,320 psi        | 77.4 lbs/ft³    | 5 to 10  | 19   |
| 1165       | 180°F                  | 550 psi             | 7,000 psi        | 79 lbs/ft³      | 5 to 10  | 19   |
| 1166       | 180°F                  | 750 psi             | 6,000 psi        | 79.5 lbs/ft³    | 5 to 10  | 19   |
| 1175       | 2,300°F                | 12.5 psi            | —                | 4/6/8 lbs/ft³   | 3 to 13  | 9    |
| 1308       | 432°F                  | 5,000 psi           | 500 psi          | 70 lbs/ft³      | 0 to 14  | 10   |
| 1309       | 2750°F                 | 10,000 psi          | 500 psi          | 70 lbs/ft³      | 0 to 14  | 10   |
| 1310       | 2750°F                 | 10,000 psi          | 500 psi          | 70 lbs/ft³      | 0 to 14  | 11   |
| 1311       | 2750°F                 | 10,000 psi          | 500 psi          | 70 lbs/ft³      | 0 to 14  | 11   |
| 1313       | 1000°F                 | 10,000 psi          | 500 psi          | 70 lbs/ft³      | 0 to 14  | 12   |



Utex offers a wide assortment of gasket cutting sets for small jobs and for large jobs. Our GC-12 set cuts from 1" in diameter to 22" in diameter. Our GC-36 cuts from 2" in diameter to 70" in diameter. Both come with spare blades.

Another integral part of any gasket operation is a hole punch kit. We offer an excellent quality kit consisting of 14 hardened chrome-nickel steel punches ranging in size from 3/16" to 1" in 1/16" increments. The set comes in a rustproof toolbox.



## Additional Tools Offered By Utex

Utex offer a complete range of packing tools used for the installation and removal of compression packings in pumps and valves. Contact your Utex distributor for a listing of our complete product offering.



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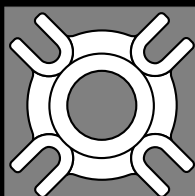
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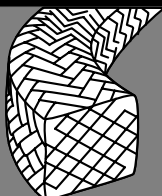
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Packing**



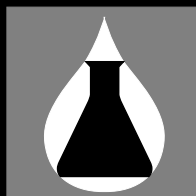
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**Packing Tools**



**Molded Products**



**Industrial Chemicals**