

American Seal & Packing

Division of Steadman & Associates, Inc.

WWW.USSEAL.COM

Ameri-Ion a new family of products using a new hybrid material, Ameri-Ion is the result of years of experience in producing PTFE materials. It is designed for a wide range of demanding industrial gasketing applications. Ameri-Ion is filled PTFE, uniquely combining the properties of PTFE and Filler materials. The Filler enhances the physical properties of the PTFE and results in a superior gasket material. Ameri-Ion shows less cold flow and greater sealing ability than other filled PTFE materials or Fluorocarbons. It maintains the chemical attack resistance and the temperature range of other PTFE based sheets.

Ameri-Ion is available in a wide range of products including gaskets, sheet, molded tube and rod as well as finished and machined items

Ameri-Ion can be considered as an equivalent to the Garlock Gylon Product range.

<i>Physical Properties</i>	9500	9504	9510
<i>Compressibility - 5000 psi (%) ASTM F36A</i>	12%	51%	10%
<i>Recovery - minimum 5000 psi (%) ASTM F36A</i>	40%	23%	42%
<i>Creep Relaxation (max%) ASTM F38</i>	19%	33%	12%
<i>Tensile Strength (psi) ASTM 152</i>	2030 psi	2030 psi	2030 psi
<i>Sealability - (ml/hr - 2000 psi) ASTM F37A</i>	0.2	0.09	0.04
<i>Sealability - DIN 3535 (cm³ / min)</i>	<0.015	<0.02	<0.019
<i>Maximum Temperature (°F)</i>	500°F	500°F	500°F
<i>Minimum Temperature (°F)</i>	-450°F	-346°F	-350°F
<i>Maximum Pressure - (psi)</i>	1200 psi	790 psi	1200 psi
<i>Specific Gravity (g/cm³) ASTM F192</i>	2.15	1.07	2.87
<i>P x T (psig x °F) maximum on 1/16" thick</i>	350,000	350,000	350,000
<i>P x T (psig x °F) maximum on 1/8" thick</i>	250,000	250,000	250,000
<i>pH Range</i>	0-14	0-14	0-14
<i>Available Sheet Size</i>	62" x 62"	62" x 62"	62" x 62"

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