

PTFE O-Rings

Description:

Polytetrafluoroethylene (PTFE) is a synthetic fluoropolymer of tetrafluoroethylene that has numerous applications. The best known brand name of PTFE is *Teflon® by DuPont Co. PTFE is a fluorocarbon solid, as it is a high-molecular-weight compound consisting wholly of carbon and fluorine. PTFE is hydrophobic: neither water nor water-containing substances wet PTFE, as fluorocarbons demonstrate mitigated London dispersion forces due to the high electronegativity of fluorine. PTFE has one of the lowest coefficients of friction against any solid.

Properties:

Good Wear Resistance, Low Coefficient of Friction

Temperature Range:

-250°F to 450°F

Recommended For:

Chemical Resistance, Fuel Resistance, Low Coefficient of Friction

NOT Recommended For:

Non-Elastic

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