

SPECIAL ELASTOMERIC COMPOUND FORMULATED FOR GASKET SYSTEMS IN CHEMICAL APPLICATIONS

“PANACEA”®

TFE-P Copolymer Compound # 1475 of Tetrafluoroethylene Elastomer

PHYSICAL PROPERTIES

Hardness, Durometer Shore A
Tensile Strength, PSI (MPa)
Elongation at Break, %
100% Modulus, PSI (MPa)
Specific Gravity, g/cc

TYPICAL RESULTS

75 ±5
2000
160
1650
1.56

This Special TFE Elastomer is a Fluorocarbon elastomer based on the Monomers Tetrafluoroethylene (TFE) and Propylene (P).

TFE-P Elastomer differs greatly from other Fluorocarbon elastomers in that it does not contain Hexafluoropropylene or Vinylidene Fluoride in the basic polymer structure.

This “Panacea”® compound will provide long term service life at temperatures to 400°F and can be utilized in shorter term service up to limits of 600°F.

TFE-P is readily usable in higher pH environments, certain types of Polar Solvents, as well as many varieties of Acids, Alkalis, Salts, and Oils.

Gasketing for Electrolytic Cells in Chlor-Alkali and Chlorate should be prime considerations.

Our tests have shown excellent Compression Set, and ease in developing leakproof Seals.

PRINCE welcomes your inquiries at our various Plants in Buffalo, New York, Baton Rouge, Louisiana, and our Canadian Affiliate; Industrial Plastics Canada Limited in Fort Erie, Ontario. In addition, we have Technical Representatives out of Atlanta, Georgia; Houston, Texas; Abington, Pennsylvania; Washington State; and Europe.

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