

Precision Polymer V76E

Fluoroelastomer

Precision Polymer Engineering Ltd.

Message:

ETP polymer. This peroxide cured compound is based on a tetrapolymer of Ethylene, Tetrafluoroethylene (TFE) and Perfluoromethylvinylether (PMVE), and a cure site monomer - 70-80 °IRHD.

This compound offers a higher level of fluid resistance than that of fluoroelastomers. It is not totally perfluorinated, so will not exhibit the ultra-low volume swell associated with Perlast® perfluoroelastomers. It is particularly suited to applications which have contact with strong amines, bases, steam and polar solvents. It improves on the chemical resistance of Aflas® and FKM elastomers, while retaining excellent low temperature performance.

| General Information | | | |
|--------------------------------|-----------------------------|------|--------------------|
| Features | Low temperature resistance | | |
| | Good chemical resistance | | |
| Uses | Low temperature application | | |
| Hardness | Nominal Value | | Test Method |
| IRHD Hardness | 75 | | ASTM D1415, ISO 48 |
| Elastomers | Nominal Value | Unit | Test Method |
| Tensile Strength (Yield) | 18.4 | MPa | ASTM D412, ISO 37 |
| Tensile Elongation (Break) | 180 | % | ASTM D412, ISO 37 |
| Compression Set (200°C, 24 hr) | 20 | % | ASTM D395, ISO 815 |
| Thermal | Nominal Value | Unit | |
| Maximum Operating Temperature | 206 | °C | |
| Additional Information | | | |

Minimum Operating Temperature: -20°C (-4°F)

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