

Precision Polymer Engineering V75F Fluoroelastomer Compound

Category : Polymer , Thermoset , Fluoropolymer, TS , Thermoset Fluoroelastomer , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Special steam resistant, Fluoroelastomer Rubber, 70-80 °IRHD. Tetrapolymer of vinylidene fluoride, hexafluoropropylene and tetrafluoroethylene and cure site monomer (CSM). To meet ASTM D2000 line call-out: MHK714, A1-10, B37, B38, EF31, E078, Z1, where Z1 = hardness 70-80. Applications: Alcohol blended fuel systems (methanol or gasohol), SF/SG engine oils, phosphate ester fluids, acids, hot water and steam. Chemical resistance superior to other FKM's.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V75F-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	75	75	°IRHD; ASTM D1415
	85	85	°IRHD, +10 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	10.5 MPa	1520 psi	-25% change after 72 hours @ 250°C; ASTM D412
	14.0 MPa	2030 psi	ASTM D412
Elongation at Break	131.25 %	131.25 %	-25% change after 72 hours @ 250°C; ASTM D412
	175 %	175 %	ASTM D412
Compression Set	21 %	21 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-10.0 °C	14.0 °F	
Flash Point	>= 315 °C	>= 599 °F	

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