

Precision Polymer Engineering V80B Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 76-85 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. To meet ASTM D2000 line call-out: M2HK814, A1-10, B37, B38, EF31, E078, F15, Z1. Where Z1 = compression set 30% max. ASTM designation = FKM. ISO designation = FPM. Applications: Excellent resistance to oils, fuels and hydraulic fluids at high temperature.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V80B-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	90	90	°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	112.5 %	112.5 %	-25% change after 72 hours @ 250°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	9.0 %	9.0 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	
Flash Point	>= 315 °C	>= 599 °F	

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