

Precision Polymer Engineering V85K Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 80-90 °IRHD. Terpolymer of vinylidene fluoride, hexafluoropropylene and tetrafluoroethylene. To meet ASTM D2000 line call-out M3HK910, A1-10, B37, B38, EF31, E078, Z1. Where Z1 = hardness 85-90. ASTM designation = FKM. ISO designation = FPM. Applications: Excellent resistance to oils, fuels and hydraulic fluids at high temperature. Chemical resistance superior to that of standard fluoroelastomer.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V85K-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	°IRHD; ASTM D1415
	95	95	°IRHD, +10 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	7.50 MPa	1090 psi	-25% change after 72 hours @ 250°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	75 %	75 %	-25% change after 72 hours @ 250°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	13 %	13 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-15.0 °C	5.00 °F	
Flash Point	>= 315 °C	>= 599 °F	

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