

Precision Polymer Engineering V75B Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 66-75 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. To meet ASTM D2000 line call-out: M2HK710, A1-10, B37, B38, EF31, E078, F14, Z1, where Z1 = compression set 30% max. 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-V75B-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	70	70	°IRHD, 0 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	12.1 MPa	1750 psi	ASTM D412
	13.31 MPa	1930 psi	10% change after 72 hours @ 250°C; ASTM D412
Elongation at Break	161.25 %	161.25 %	-25% change after 72 hours @ 250°C; ASTM D412
	215 %	215 %	ASTM D412
Shear Modulus	0.0430 GPa	6.24 ksi	ASTM D1053
	@Temperature -12.0 °C	@Temperature 10.4 °F	
Compression Set	14 %	14 %	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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