

Precision Polymer Engineering V75W Fluoroelastomer Compound

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

Material Notes:

Off-white Fluoroelastomer Rubber, 70-80 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA) Water and n-Hexane extraction tested in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. Also complies to the requirements of USP 25, NF20, 2002, Class 6. Tested to 3A requirements. 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-V75W-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	7.50 MPa	1090 psi	-25% change after 72 hours @ 250°C; ASTM D412
	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	150 %	150 %	-25% change after 72 hours @ 250°C; ASTM D412
	200 %	200 %	ASTM D412
Compression Set	14 %	14 %	22 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	

Descriptive Properties	Value	Comments
Extraction Test, 21 CFR 177.2600	pass	Distilled Water
	pass	n-Hexane

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