

Precision Polymer Engineering V95X Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 88 - 97 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Gas-blister resistant fluoroelastomer rubber. Applications: Developed for oil field applications where high pressures are experienced at temperatures in excess of 150°C. The material is a carbon black reinforced, anti-extrusion and gas blister resistant elastomer. It exhibits excellent resistance to compression set.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V95X-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	91	91	°IRHD; ASTM D1415
	93	93	
	96	96	°IRHD, +5 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	15.2 MPa	2200 psi	-5% change after 72 hours @ 250°C; ASTM D412
	16.0 MPa	2320 psi	ASTM D412
Elongation at Break	95.16 %	95.16 %	-20.7% change after 72 hours @ 250°C; ASTM D412
	120 %	120 %	ASTM D412
Compression Set	15 %	15 %	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	

Descriptive Properties	Value	Comments
Low Temperature Glass Transition, °C	-19	

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