

Precision Polymer Engineering V72H Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 65-75 °IRHD. FDA grade. Copolymer of vinylidene fluoride and hexafluoropropylene. Formulated using only those ingredients determined by the United States Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. Applications: Excellent oil and heat resistance combine with low compression set performance. Used primarily in food processing and pharmaceutical equipment. Excellent ozone resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V72H-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	72	72	°IRHD; ASTM D1415
	79	79	°IRHD, +7 change after 168 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	9.00 MPa	1310 psi	-25% change after 168 hours @ 250°C; ASTM D412
	12.0 MPa	1740 psi	ASTM D412
Elongation at Break	154 %	154 %	-23% change after 168 hours @ 250°C; ASTM D412
	200 %	200 %	ASTM D412
Compression Set	35 %	35 %	22 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-25.0 °C	-13.0 °F	ASTM D2137, Non-brittle after 3 minutes
	-18.0 °C	-0.400 °F	
	-17.0 °C	1.40 °F	ASTM D1329, TR10
Flash Point	>= 315 °C	>= 599 °F	

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