

Precision Polymer Engineering V80H Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 75-85 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA). Water and n-Hexane extraction tested in accordance with Code of Federal Regulations Title 21 (CFR21), Section 177.2600. Applications: Excellent oil and heat resistance. For repeated use in equipment associated with the production of foodstuffs intended for human consumption. For use with aqueous or fatty foods.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V80H-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	65 - 95	65 - 95	°IRHD, ±15 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	14.0 MPa	2030 psi	ASTM D412
	9.80 - 18.2 MPa	1420 - 2640 psi	±30% change after 72 hours @ 250°C; ASTM D412
Elongation at Break	75 %	75 %	-50% change after 72 hours @ 250°C; ASTM D412
	150 %	150 %	ASTM D412
Compression Set	12 %	12 %	22 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-10.0 °C	14.0 °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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