

Precision Polymer Engineering V90H Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 85-95 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA). ASTM designation = FKM. ISO designation = FPM. Applications: Excellent oil and heat resistance. Ideal for mouldings which are required to operate within the approximate temperature range of -20° to +200°C, in contact with air.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V90H-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	90	90	°IRHD; ASTM D1415
	84 - 96	84 - 96	°IRHD, ±6 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	8.80 MPa	1280 psi	-20% change after 72 hours @ 250°C; ASTM D412
	11.0 MPa	1600 psi	ASTM D412
Elongation at Break	80 %	80 %	-20% change after 72 hours @ 250°C; ASTM D412
	100 %	100 %	ASTM D412
Compression Set	20 %	20 %	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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