

Precision Polymer Engineering V80D Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 75-84 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Meets Aerospace Specifications DTD5612A and DTD5543B Grade 80. Applications: Mouldings which are required to operate within the approximate temperature range of - 20° to +225°C, in contact with air, petroleum, silicone and diester-based liquids. The material is not suitable for use in contact with certain phosphate-ester-based liquids.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-V80D-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	78	78	°IRHD; ASTM D1415
	79	79	°IRHD, +1 change after 72 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	12.75 MPa	1849 psi	- 15% change after 72 hours @ 250°C; ASTM D412
	15.0 MPa	2180 psi	ASTM D412
Elongation at Break	162 %	162 %	- 10% change after 72 hours @ 250°C; ASTM D412
	180 %	180 %	ASTM D412
Compression Set	11.5 %	11.5 %	24 hours @ 200°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	225 °C	437 °F	
Minimum Service Temperature, Air	-20.0 °C	-4.00 °F	
Flash Point	>= 315 °C	>= 599 °F	

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