

Precision Polymer Engineering V70D Fluoroelastomer Compound

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

Material Notes:

Fluoroelastomer Rubber, 66-75 °IRHD. Copolymer of vinylidene fluoride and hexafluoropropylene. Meets Aerospace Specifications DTD5612A and DTD5543B Grade 70. 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-V70D-Fluoroelastomer-Compound.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	70	70	°IRHD, 0 change after 70 hours @ 250°C; ASTM D1415
Tensile Strength, Yield	10.45 MPa	1516 psi	-5% change after 70 hours @ 250°C; ASTM D412
	11.0 MPa	1600 psi	ASTM D412
Elongation at Break	197.8 %	197.8 %	-8% change after 70 hours @ 250°C; ASTM D412
	215 %	215 %	ASTM D412
Shear Modulus	0.0430 GPa	6.24 ksi	ASTM D1053
	@Temperature -12.0 °C	@Temperature 10.4 °F	
Compression Set	14 %	14 %	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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