

Precision Polymer Engineering F60A Fluorosilicone Rubber

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

Material Notes:

Blue Fluorosilicone, 56-65 °IRHD. Fluorosilicone rubber having methyl, vinyl and fluorine substituent groups on the polymer chain. To meet Aerospace Specification Mil-R-25988B, Class 1, Grade 60. Applications: Excellent heat resistance and low temperature flexibility. Suitable for sealing petroleum oils and hydrocarbon fuels. Fluorosilicones are widely used in aircraft fuel systems.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-F60A-Fluorosilicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	62	62	°IRHD; ASTM D1415
	64	64	°IRHD, +2 change after 70 hours @ 204°C; ASTM D1415
Tensile Strength, Yield	6.30 MPa	914 psi	-10% change after 70 hours @ 204°C; ASTM D412
	7.00 MPa	1020 psi	ASTM D412
Elongation at Break	200 %	200 %	-20% change after 70 hours @ 204°C; ASTM D412
	250 %	250 %	ASTM D412
Compression Set	18 %	18 %	22 hours @ 204°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	225 °C	437 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
	-57.0 °C	-70.6 °F	TR10
Flash Point	>= 300 °C	>= 572 °F	

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