

Precision Polymer Engineering F50A Fluorosilicone Rubber

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

Material Notes:

Blue Fluorosilicone, 45-55 °IRHD. Fluorosilicone rubber having methyl, vinyl and fluorine substituent groups on the polymer chain. 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-F50A-Fluorosilicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	°IRHD; ASTM D1415
Tensile Strength, Yield	7.50 MPa	1090 psi	ASTM D412
Elongation at Break	300 %	300 %	ASTM D412
Compression Set	10 %	10 %	22 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 °C	482 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
	-55.0 °C	-67.0 °F	ASTM D2137, Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

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