

## Precision Polymer Engineering F70R Fluorosilicone Rubber

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

### Material Notes:

Red Fluorosilicone, 65-75 °IRHD. Fluorosilicone rubber having methyl, vinyl and fluorine substituent groups on the polymer chain. To meet Aerospace Specification DTD5583A Grade 70. Applications: Sealing petroleum-based fuels, hydraulic fluids and lubricants, and with silicone and certain ester-based fluids (but excluding certain phosphate esters).

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-F70R-Fluorosilicone-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-F70R-Fluorosilicone-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	65 - 80	65 - 80	°IRHD, +10/-5 change after 336 hours @ 200°C; ASTM D1415
Tensile Strength, Yield	3.575 MPa	518.5 psi	-35% change after 336 hours @ 200°C; ASTM D412
	5.50 MPa	798 psi	ASTM D412
Elongation at Break	78 %	78 %	-35% change after 336 hours @ 200°C; ASTM D412
	120 %	120 %	ASTM D412
Compression Set	10 %	10 %	24 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 °C	482 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	
	-65.0 °C	-85.0 °F	Non-brittle after 3 minutes
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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