

## Precision Polymer Engineering F80X Fluorosilicone Rubber

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

### Material Notes:

Mid-Blue Fluorosilicone Rubber, 76-85 °IRHD . Fluorosilicone rubber having methyl, vinyl and fluorine substituent groups on the polymer chain. To meet Aerospace Specification Mil-R-25988B, Class 1, Grade 80.Applications: Intended for use in applications where resistance to jet fuels, hydraulic fluids, lubricants, silicone and ester-based fluids (but excluding certain phosphate esters) is required.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-F80X-Fluorosilicone-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-F80X-Fluorosilicone-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	80	80	°IRHD; ASTM D1415
	75 - 90	75 - 90	°IRHD, +10/-5 change after 70 hours @ 200°C; ASTM D1415
Tensile Strength, Yield	4.16 MPa	603 psi	-20% change after 70 hours @ 200°C; ASTM D412
	5.20 MPa	754 psi	ASTM D412
Elongation at Break	56 %	56 %	-20% change after 70 hours @ 200°C; ASTM D412
	70 %	70 %	ASTM D412
Compression Set	40 %	40 %	22 hours @ 175°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	
	-57.0 °C	-70.6 °F	TR10
Flash Point	>= 300 °C	>= 572 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

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