

Freudenberg Simrit F80 Fluorosilicone Elastomer

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

Material Notes:

Combines excellent low-temperature performance of silicone with improved chemical resistance. Very good resistance to military and aerospace fuels. Excellent performance in oxygen plasma environments. Avoid polar solvents, hydrocarbon fluids and phosphate ester brake fluids. Susceptible to hydrolysis by acids and bases. Limited abrasion resistance.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Freudenberg-Simrit-F80-Fluorosilicone-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	
Tensile Strength, Ultimate	6.80 MPa	986 psi	
Elongation at Break	177 %	177 %	
Compression Set	11 % @Temperature 200 Â°C, Time 252000 sec	11 % @Temperature 392 Â°F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	180 Â°C	356 Â°F	
Minimum Service Temperature, Air	-60.0 Â°C	-76.0 Â°F	

Descriptive Properties	Value	Comments
Color	Blue	

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