

Freudenberg Simrit S40GY Silicone Elastomer

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

Material Notes:

Excellent material for static service at extreme (hot or cold) temperatures. Outstanding flex and fatigue life. Very good for ozone and UV radiation service as well as for resistance to fungal and biological attack. Avoid chlorinated solvents, aliphatic and aromatic hydrocarbons and petroleum oils. Silicones are generally very permeable to gases and have poor physical strength and abrasion resistance. Typical Uses: LPCVD/Oxidation, Dry Etch, Resist Stripping

Order this product through the following link:

http://www.lookpolymers.com/polymer_Freudenberg-Simrit-S40GY-Silicone-Elastomer.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	42	42	
Tensile Strength, Ultimate	7.30 MPa	1060 psi	
Elongation at Break	590 %	590 %	
Compression Set	19 % @Temperature 200 Â°C, Time 252000 sec	19 % @Temperature 392 Â°F, Time 70.0 hour	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	175 Â°C	347 Â°F	
Minimum Service Temperature, Air	-70.0 Â°C	-94.0 Â°F	

Descriptive Properties	Value	Comments
Color	Gray	

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