

Precision Polymer Engineering S70X Silicone Rubber

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

Material Notes:

Red Silicone Rubber, 66-75 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain. ASTM & ISO designation = VMQ. Applications: Specially compounded to provide the optimum retention of physical properties whilst operating in extreme high temperature applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-S70X-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
	77	77	°IRHD, +7 change after 500 hours @ 288°C; ASTM D1415
Tensile Strength, Yield	7.125 MPa	1033 psi	-25% change after 500 hours @ 288°C; ASTM D412
	9.50 MPa	1380 psi	ASTM D412
Elongation at Break	318 %	318 %	-40% change after 500 hours @ 288°C; ASTM D412
	530 %	530 %	ASTM D412
Compression Set	8.0 %	8.0 %	24 hours @ 150°C; ASTM D395

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

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