

Precision Polymer Engineering S60X Silicone Rubber

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

Material Notes:

Red Silicone Rubber, 55-65 °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-S60X-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	75	75	°IRHD, +15 change after 48 hours @ 315°C; ASTM D1415
Tensile Strength, Yield	3.75 MPa	544 psi	-50% change after 48 hours @ 315°C; ASTM D412
	7.50 MPa	1090 psi	ASTM D412
Elongation at Break	87.5 %	87.5 %	-75% change after 48 hours @ 315°C; ASTM D412
	350 %	350 %	ASTM D412
Compression Set	20 %	20 %	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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