

Precision Polymer Engineering S60S Silicone Rubber

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

Material Notes:

Red Silicone Rubber, 56-65 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain. Excellent steam resistance. Formulated using only those ingredients determined by the United States Federal Food and Drug Administration (FDA) to be in accordance with Code of Federal Regulations, Title 21 (CFR21), Section 177.2600. This material is also BgVV Class 15 compliant. ASTM & ISO designation = VMQ. Applications: Excellent heat resistance and low temperature flexibility. Used primarily for the manufacture of steam gaskets and autoclave seals. Low physical strength and poor abrasion resistance prevents dynamic sealing.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-S60S-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
	62	62	°IRHD, +2 change after 72 hours @ 200°C; ASTM D1415
Tensile Strength, Yield	5.0925 MPa	738.61 psi	-3% change after 72 hours @ 200°C; ASTM D412
	5.25 MPa	761 psi	ASTM D412
Elongation at Break	151.3 %	151.3 %	-11% change after 72 hours @ 200°C; ASTM D412
	170 %	170 %	ASTM D412
Compression Set	8.0 %	8.0 %	22 hours @ 175°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 °C	482 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

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