

Precision Polymer Engineering S50Y Silicone Rubber

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

Material Notes:

Yellow Silicone Rubber, 45-55 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain. Applications: Excellent heat resistance and low temperature flexibility. Used primarily for dry heat static seals, (the 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-S50Y-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	°IRHD; ASTM D1415
Tensile Strength, Yield	5.60 MPa	812 psi	ASTM D412
Elongation at Break	280 %	280 %	ASTM D412
Compression Set	25 %	25 %	24 hours @ 150°C; ASTM D395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	250 °C	482 °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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