

Precision Polymer Engineering S75T Silicone Rubber

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

Material Notes:

Translucent Silicone Rubber, 66-75 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain. ASTM & ISO designation = VMQ. Silicone compound in conformity with USP class VI. Formulated using only those ingredients authorized by BGA XVA and FDA CFR21 Section 177.2600. Extraction tested. Also complies to the requirements of USP VI, NF20, 2002. Applications: Excellent mechanical, physical and chemical stability over the temperature range of -40° to +180°C. Excellent behaviour when sterilised. High transparency grade, intended for food contact, pharmaceutical and biomedical applications.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-S75T-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	°IRHD; ASTM D1415
Tensile Strength, Yield	9.50 MPa	1380 psi	ASTM D412
Elongation at Break	450 %	450 %	ASTM D412
Compression Set	42 %	42 %	24 hours @ 175°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	Non-brittle after 3 minutes
	-40.0 °C	-40.0 °F	
Flash Point	>= 300 °C	>= 572 °F	

Descriptive Properties	Value	Comments
Extraction Test, 21 CFR 177.2600	pass	Distilled Water
	pass	n-Hexane

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