

Precision Polymer Engineering S65T Silicone Rubber

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

Material Notes:

Translucent Silicone Rubber, 55-65 °IRHD. Silicone rubber having both methyl and vinyl substituent groups on the polymer chain.

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. Extraction tested. Compliant to BGA XVA and KTW 1.3.13. ASTM & ISO designation = VMQ.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-S65T-Silicone-Rubber.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	°IRHD; ASTM D1415
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D412
Elongation at Break	520 %	520 %	ASTM D412
Compression Set	40 %	40 %	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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