

## Precision Polymer Engineering S55T Silicone Rubber

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

### Material Notes:

Translucent Silicone Rubber, 45-55 °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. Intended for food contact, pharmaceutical and biomedical applications.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Precision-Polymer-Engineering-S55T-Silicone-Rubber.php](http://www.lookpolymers.com/polymer_Precision-Polymer-Engineering-S55T-Silicone-Rubber.php)

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	°IRHD; ASTM D1415
Tensile Strength, Yield	9.80 MPa	1420 psi	ASTM D412
Elongation at Break	640 %	640 %	ASTM D412
Compression Set	35 %	35 %	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	Boiling Water
	pass	n-Hexane

## Contact Songhan Plastic Technology Co.,Ltd.

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