

Shin-Etsu Silicones SV-55002U High Strength Silicone Elastomer

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

Material Notes:

SV55002U is one of a series of silicone bases Type of HCR designed for applications requiring high strength. Product Features: Excellent mechanical properties. Typical Applications: Molding and Extrusion applications for a wide range of products. Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-SV-55002U-High-Strength-Silicone-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	DCBP Cure
	1.13 g/cc	1.13 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	49	49	DBPH Cure
	50	50	DCBP Cure
Tensile Strength at Break	9.31 MPa	1350 psi	DCBP Cure
	9.65 MPa	1400 psi	DBPH Cure
Elongation at Break	660 %	660 %	DCBP Cure
	660 %	660 %	DBPH Cure
Tear Strength	33.3 kN/m	190 pli	Die B; DCBP Cure
	33.3 kN/m	190 pli	Die B; DBPH Cure
Compression Set	10 %	10 %	DCBP Cure
	@Temperature 100 Â°C, Time 252000 sec	@Temperature 212 Â°F, Time 70.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Post
	240 min @Temperature 200 Â°C	4.00 hour @Temperature 392 Â°F	

Descriptive Properties	Value	Comments
Cure Agent	DBPH	

Descriptive Properties	DCBP Value	Comments
Cure Type	Press Cure	

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