

Shin-Etsu Silicones SV-14000U Silicone Rubber

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

Material Notes:

SV14000U is one of a series of easy processing, no post cure silicone rubber bases. It can be used in a variety of applications requiring finishing by molding, extruding or calendering. Product Features: This product can be blended with other ShinEtsu general purpose or no post cure bases for intermediate properties. The choice between these bases will depend on specific requirements. This product can also be extended with filler. Typical Applications: Roll covers. Diaphragms. 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-14000U-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.09 g/cc	1.09 g/cc	DCBP Cure
	1.09 g/cc	1.09 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	DCBP Cure
	41	41	DBPH Cure
Tensile Strength at Break	5.12 MPa	742 psi	DCBP Cure
	6.55 MPa	950 psi	DBPH Cure
Elongation at Break	360 %	360 %	DCBP Cure
	437 %	437 %	DBPH Cure
100% Modulus	0.000972 GPa	0.141 ksi	DBPH Cure
	0.00106 GPa	0.154 ksi	DCBP Cure
Tear Strength	10.7 kN/m	61.0 pli	Die B; DCBP Cure
	11.6 kN/m	66.0 pli	Die B; DBPH Cure
Compression Set	25 %	25 %	DCBP Cure
	@Temperature 177 Â°C, Time 79200 sec	@Temperature 351 Â°F, Time 22.0 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	

Descriptive Properties	Value	Comments
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Cure Agent Descriptive Properties	DBPH Value	Comments
	DCBP	
Cure Type	Press Cure	

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