

Shin-Etsu Silicones SV-18000U Silicone Rubber

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

Material Notes:

SV18000U is one of a series of easy processing, mineral filled 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 no post cure or general purpose bases for intermediate properties. The choice between these bases will depend on specific requirements. 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-18000U-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.38 g/cc	1.38 g/cc	DCBP Cure
	1.38 g/cc	1.38 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	77	77	DCBP Cure
	80	80	DBPH Cure
Tensile Strength at Break	9.51 MPa	1380 psi	DCBP Cure
	9.51 MPa	1380 psi	DBPH Cure
Elongation at Break	192 %	192 %	DCBP Cure
	210 %	210 %	DBPH Cure
100% Modulus	0.00496 GPa	0.720 ksi	DBPH Cure
	0.00538 GPa	0.781 ksi	DCBP Cure
Tear Strength	18.6 kN/m	106 pli	Die B; DCBP Cure
	18.6 kN/m	106 pli	Die B; DBPH Cure

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	

Descriptive Properties	Value	Comments
Cure Agent	DBPH	
	DCBP	

Cure Type Descriptive Properties	Press Cure Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China