

Shin-Etsu Silicones KE-541U Silicone Rubber

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

Material Notes:

KE541U is one of a series of easy processing, general purpose grade silicone rubber bases. It can be used in a variety of applications requiring finishing by molding or extruding with extending filler. Product Features: This product can be blended with KE551U, KE561U, KE571U, and KE581U for intermediate hardnesses. The choice between these bases will depend on specific requirements. Typical Applications: Roll covers. Diaphragms. O-rings and gaskets. Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-KE-541U-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	DCBP Cure
	1.10 g/cc	1.10 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	DBPH Cure
	42	42	DCBP Cure
Tensile Strength at Break	7.688 MPa	1115 psi	DCBP Cure
	9.86 MPa	1430 psi	DBPH Cure
Elongation at Break	460 %	460 %	DCBP Cure
	730 %	730 %	DBPH Cure
100% Modulus	0.000689 GPa	0.100 ksi	DBPH Cure
	0.000896 GPa	0.130 ksi	DCBP Cure
Tear Strength	1.23 kN/m	7.00 pli	Die B; DBPH Cure
	13.0 kN/m	74.0 pli	Die B; DCBP Cure
Compression Set	13 %	13 %	DCBP Cure
	@Temperature 150 Â°C, Time 79200 sec	@Temperature 302 Â°F, Time 22.0 hour	

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

Descriptive Properties	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