

Shin-Etsu Silicones KE-551U Silicone Rubber

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

Material Notes:

KE551U 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 KE541U, 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-551U-Silicone-Rubber.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	DCBP Cure
	1.14 g/cc	1.14 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	DCBP Cure
	50	50	DBPH Cure
Tensile Strength at Break	10.40 MPa	1509 psi	DBPH Cure
	11.20 MPa	1625 psi	DCBP Cure
Elongation at Break	520 %	520 %	DCBP Cure
	530 %	530 %	DBPH Cure
Tear Strength	15.1 kN/m	86.0 pli	Die B; DBPH Cure
	16.0 kN/m	91.0 pli	Die B; DCBP Cure
Compression Set	24 %	24 %	DCBP Cure
	@Temperature 150 Å°C, Time 79200 sec	@Temperature 302 Å°F, Time 22.0 hour	

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

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