

## Shin-Etsu Silicones KE-561U Silicone Elastomer

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

**Material Notes:**

KE561U 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, KE551U, 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-561U-Silicone-Elastomer.php](http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-KE-561U-Silicone-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	DCBP Cure
	1.17 g/cc	1.17 g/cc	DBPH Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	DCBP Cure
	65	65	DBPH Cure
Tensile Strength at Break	11.51 MPa	1669 psi	DCBP Cure
	11.51 MPa	1669 psi	DBPH Cure
Elongation at Break	460 %	460 %	DBPH Cure
	470 %	470 %	DCBP Cure
Tear Strength	15.1 kN/m	86.0 pli	Die B; DBPH Cure
	18.1 kN/m	103 pli	Die B; DCBP Cure
Compression Set	25 %	25 %	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	

**Contact Songhan Plastic Technology Co.,Ltd.**

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