

Shin-Etsu Silicones KE-3611U Electrically Conductive Silicone Elastomer

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

Material Notes:

ShinEtsu KE3611 U is a black semi conductive silicone compound. It has been designed as a 60 Durometer material with typical volume resistivity values of 5 W cm. Product Features: Suitable for both molding and extrusion. Can be catalyzed with both peroxide and addition cure catalysts. Typical Applications: Key pads. EMI 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-3611U-Electrically-Conductive-Silicone-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	DBPH Cure
	1.16 g/cc	1.16 g/cc	DBPH-50 Cure

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	65	65	DBPH Cure
	65	65	DBPH-50 Cure
Tensile Strength at Break	4.71 MPa	683 psi	DBPH-50 Cure
	4.90 MPa	710 psi	DBPH Cure
Elongation at Break	290 %	290 %	DBPH Cure
	320 %	320 %	DBPH-50 Cure
Tear Strength	11.4 kN/m	65.0 pli	Die B; DBPH Cure
	11.7 kN/m	67.0 pli	Die B; DBPH-50 Cure
Compression Set	18 %	18 %	DBPH Cure
	@ Temperature 180 Â°C, Time 79200 sec	@ Temperature 356 Â°F, Time 22.0 hour	

Descriptive Properties	Value	Comments
Cure Agent	DBPH	
	DBPH-50	
Cure Type	Press Cure	

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