

Shin-Etsu Silicones LIMSâ„¢ KE1950-60A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

KE-1950-60 is a liquid injection molding silicone. It is supplied as two components which are mixed in a 1:1 ratio to ensure easy and accurate blending. It's viscosity is low enough to allow easy pumping through most injection molding systems. Features Rapid cure time at elevated temperature Long pot life at room temperature Applications O-rings Diaphragms Capping Rubber rollers Connector packings Other electrical parts Information Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-LIMS-KE1950-60AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	
Viscosity	730000 cP	730000 cP	A
	740000 cP	740000 cP	B
Linear Mold Shrinkage	0.019 cm/cm	0.019 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	60	60	
Tensile Strength	7.80 MPa	1130 psi	
Elongation at Yield	380 %	380 %	
100% Modulus	0.00230 GPa	0.333 ksi	
Tear Strength	35.0 kN/m	200 pli	
Compression Set	8.0 %	8.0 %	
	@Temperature 200 Â°C, Time 14400 sec	@Temperature 392 Â°F, Time 4.00 hour	
	22 %	22 %	
	@Temperature 150 Â°C, Time 3600 sec	@Temperature 302 Â°F, Time 1.00 hour	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	Press Cure
	@Temperature 120 Â°C	@Temperature 248 Â°F	
	60.0 min	1.00 hour	Post Cure
	@Temperature 150 Â°C	@Temperature 302 Â°F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Appearance		Translucent	
Cure Rate		39	T10 (302°F, ODR)
		64	T90 (302°F, ODR)
Regulatory Testing		Class VI, FDA	

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