

## Shin-Etsu Silicones LIMSâ„† KE1950-40A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

### Material Notes:

KE-1950-40 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 Fast cure for increased productivity No catalyst by-products Curable over a wide range of temperatures 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-KE1950-40AB-Elastomer.php](http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-LIMS-KE1950-40AB-Elastomer.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.12 g/cc	1.12 g/cc	
Viscosity	480000 cP	480000 cP	A
	480000 cP	480000 cP	B
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	42	42	
Tensile Strength	9.80 MPa	1420 psi	
Elongation at Yield	650 %	650 %	
100% Modulus	0.00101 GPa	0.146 ksi	
Tear Strength	35.0 kN/m	200 pli	
Compression Set	6.0 %	6.0 %	
	@Temperature 200 Â°C, Time 14400 sec	@Temperature 392 Â°F, Time 4.00 hour	
	20 %	20 %	
	@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		44	T10 (302°F, ODR)
		63	T90 (302°F, ODR)
Regulatory Testing		Class VI, FDA	

## Contact Songhan Plastic Technology Co.,Ltd.

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