

Shin-Etsu Silicones LIMSâ„¢ KE1950-70A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

KE-1950-70 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.FeaturesRapid cure time at elevated temperatureLong pot life at room temperatureApplicationsO-ringsDiaphragmsCappingRubber rollersConnector packingsOther electrical partsInformation Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-LIMS-KE1950-70AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.15 g/cc	1.15 g/cc	
Viscosity	750000 cP	750000 cP	A
	750000 cP	750000 cP	B
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	70	70	
Tensile Strength	7.80 MPa	1130 psi	
Elongation at Yield	350 %	350 %	
100% Modulus	0.00476 GPa	0.691 ksi	
Tear Strength	40.0 kN/m	228 pli	
Compression Set	13 % @Temperature 200 Â°C, Time 14400 sec	13 % @Temperature 392 Â°F, Time 4.00 hour	
	34 % @Temperature 150 Â°C, Time 3600 sec	34 % @Temperature 302 Â°F, Time 1.00 hour	

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

Processing Properties	Metric	English	Comments
Descriptive Properties	Value		Comments
Appearance	Translucent		
Cure Rate	27		T10 (302Â°F, ODR)
	43		T90 (302Â°F, ODR)
Regulatory Testing	Class VI, FDA		

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