

Shin-Etsu Silicones LIMSâ„¢ KE1950-20A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

KE-1950-20 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-KE1950-20AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.10 g/cc	1.10 g/cc	
Viscosity	150000 cP	150000 cP	A
	150000 cP	150000 cP	B
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	20	20	
Tensile Strength	6.40 MPa	928 psi	
Elongation at Yield	900 %	900 %	
100% Modulus	0.000372 GPa	0.0540 ksi	
Tear Strength	25.0 kN/m	143 pli	
Compression Set	10 % @Temperature 200 Â°C, Time 14400 sec	10 % @Temperature 392 Â°F, Time 4.00 hour	
	15 % @Temperature 150 Â°C, Time 3600 sec	15 % @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	32		T10 (302Â°F, ODR)
	80		T90 (302Â°F, ODR)
Regulatory Testing	Class VI, FDA		

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