

Shin-Etsu Silicones LIMSâ„¢ KE2090-70AB Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

KE-2090-70 is a selective self-adhesive liquid injection molding silicone. It is supplied as two components which are mixed in a 1:1 ratio to ensure easy and accurate blending. Its viscosity is low enough to allow easy pumping through most injection molding systems.FeaturesSelective self adhesionNon adhesion to metalsInsert-molding and co-injection molding availableInformation Provided by Shin-Etsu Silicones of America, Inc.

Order this product through the following link:
http://www.lookpolymers.com/polymer_Shin-Etsu-Silicones-LIMS-KE2090-70AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.13 g/cc	1.13 g/cc	
Viscosity	600000 cP	600000 cP	A
	600000 cP	600000 cP	B
Linear Mold Shrinkage	0.022 cm/cm	0.022 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	68	68	
Tensile Strength	7.70 MPa	1120 psi	
Elongation at Yield	230 %	230 %	
Tear Strength	35.0 kN/m	200 pli	
Compression Set	10 % @Temperature 200 Â°C, Time 14400 sec	10 % @Temperature 392 Â°F, Time 4.00 hour	
	40 % @Temperature 150 Â°C, Time 3600 sec	40 % @Temperature 302 Â°F, Time 1.00 hour	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	Press Cure
	@Temperature 120 Â°C	@Temperature 248 Â°F	

Descriptive Properties	Value	Comments
Appearance	Translucent	

Cure Rate Descriptive Properties	69 Value	T10 (248Â°F, ODR) Comments
	98	T90 (248Â°F, ODR)
Regulatory Testing	Class VI	

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