

Shin-Etsu Silicones LIMSâ„¢ KE2090-40AB Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

KE-2090-40 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-KE2090-40AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.11 g/cc	1.11 g/cc	
Viscosity	400000 cP	400000 cP	A
	700000 cP	700000 cP	B
Linear Mold Shrinkage	0.023 cm/cm	0.023 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	40	40	
Tensile Strength	9.00 MPa	1310 psi	
Elongation at Yield	630 %	630 %	
Tear Strength	30.0 kN/m	171 pli	
Compression Set	6.0 %	6.0 %	
	@Temperature 200 Â°C, Time 14400 sec	@Temperature 392 Â°F, Time 4.00 hour	
	35 %	35 %	
	@Temperature 150 Â°C, Time 3600 sec	@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	105 Value	T90 (248A°F, ODR) Comments
	85	T10 (248A°F, ODR)
Regulatory Testing	Class VI	

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