

Shin-Etsu Silicones LIMSâ„† KE2001-50A/B Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE

Material Notes:

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-KE2001-50AB-Elastomer.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.14 g/cc	1.14 g/cc	
Viscosity	1.00e+6 cP	1.00e+6 cP	B
	1.00e+6 cP	1.00e+6 cP	A
Linear Mold Shrinkage	0.021 cm/cm	0.021 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	53	53	
Tensile Strength	9.90 MPa	1440 psi	
Elongation at Yield	590 %	590 %	
100% Modulus	0.00174 GPa	0.253 ksi	
Tear Strength	40.0 kN/m	228 pli	
Compression Set	5.0 %	5.0 %	
	@Temperature 200 Â°C, Time 14400 sec	@Temperature 392 Â°F, Time 4.00 hour	
	29 %	29 %	
	@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	

Descriptive Properties	Value	Comments
Appearance	Translucent	

Descriptive Properties	Value	Comments
Cure Date	20	T10 (302°F, ODR)
	30	T90 (302°F, ODR)

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