

Lord Adhesives Circalok,ç 6009 A/B Flame Retardant Epoxy Encapsulant

Category : Polymer , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced

Material Notes:

Circalok,ç 6009 A/B is a two component epoxy resin system which has moderate thermal conductivity and low viscosity. Circalok,ç 6009 A/B meets UL 94V-0 specification for flame retardance. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Circalok-6009-AB-Flame-Retardant-Epoxy-Encapsulant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	Part B
	1.52 g/cc	1.52 g/cc	Mixed
	1.65 g/cc	1.65 g/cc	Part A
Water Absorption	0.35 %	0.35 %	
	@Temperature 25.0 Â°C, Time 864000 sec	@Temperature 77.0 Â°F, Time 240 hour	
Viscosity	40 cP	40 cP	Part B
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
	2600 cP	2600 cP	Mixed
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
	16600 cP	16600 cP	Part A
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Tensile Strength, Yield	48.3 MPa	7000 psi	
Elongation at Yield	1.9 %	1.9 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.700 W/m-K	4.86 BTU-in/hr-ftÂ²- Â°F	
Maximum Service Temperature, Air	130 Â°C	266 Â°F	

Thermal Properties	Metric	English	Comments
Flammability UL 94	V-0	V-0	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm @Temperature 25.0 Â°C	1.00e+15 ohm-cm @Temperature 77.0 Â°F	
Dielectric Strength	19.7 kV/mm	500 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	120 - 240 min @Temperature 65.0 Â°C	2.00 - 4.00 hour @Temperature 149 Â°F	
Gel Time	15.0 - 30.0 min @Temperature 65.0 Â°C	15.0 - 30.0 min @Temperature 149 Â°F	
Shelf Life	12.0 Month	12.0 Month	

Descriptive Properties	Value	Comments
Appearance	Black	Part A
	Black	Mixed
	Pale Yellow	Part B
Mix Ratio	100:10	by weight
	100:16.5	by volume

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