

Lord Adhesives Thermoset,ç MD-130 Electrically Insulating Die-Attach Adhesive

Category : Polymer , Adhesive

Material Notes:

Lord MD-130 is a microelectronic grade, die-attach adhesive system for use in applications where electrical conductivity is not required. This system offers long, room temperature stability, fast cure at temperatures down to 100Å°C, and high die-shear strengths.All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-Thermoset-MD-130-Electrically-Insulating-Die-Attach-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.49 g/cc @Temperature 25.0 Å°C	1.49 g/cc @Temperature 77.0 Å°F	
Water Absorption	0.050 %	0.050 %	
Viscosity	60000 cP	60000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Tensile Strength, Yield	56.5 MPa	8200 psi	
Elongation at Yield	1.7 %	1.7 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.418 W/m-K	2.90 BTU-in/hr-ftÅ²-Å°F	
Maximum Service Temperature, Air	130 Å°C	266 Å°F	
Minimum Service Temperature, Air	-55.0 Å°C	-67.0 Å°F	
Glass Transition Temp, Tg	140 Å°C	284 Å°F	Mettler DSC30

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257
Dielectric Constant	4.2 @Frequency 1000 Hz, Temperature 25.0 Å°C	4.2 @Frequency 1000 Hz, Temperature 77.0 Å°F	ASTM D150
	0.0080	0.0080	

Electrical Properties	Metric	English	Comments
	@Frequency 1000 Hz, Temperature 25.0 Â°C	@Frequency 1000 Hz, Temperature 77.0 Â°F	ASTM D150

Processing Properties	Metric	English	Comments
Cure Time	4.00 min	0.0667 hour	Hot Plate
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	8.00 min	0.133 hour	Oven
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	16.0 min	0.267 hour	Oven
	@Temperature 135 Â°C	@Temperature 275 Â°F	
	20.0 min	0.333 hour	Hot Plate
	@Temperature 135 Â°C	@Temperature 275 Â°F	
	34.0 min	0.567 hour	Hot Plate
	@Temperature 120 Â°C	@Temperature 248 Â°F	
48.0 min	0.800 hour	Oven	
@Temperature 120 Â°C	@Temperature 248 Â°F		
Gel Time	68.0 min	1.13 hour	Hot Plate
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	148 min	2.47 hour	Oven
	@Temperature 100 Â°C	@Temperature 212 Â°F	
	1.00 min	1.00 min	Hot Plate
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	2.00 min	2.00 min	Oven
	@Temperature 150 Â°C	@Temperature 302 Â°F	
	4.00 min	4.00 min	Oven
	@Temperature 135 Â°C	@Temperature 275 Â°F	
5.00 min	5.00 min	Hot Plate	
@Temperature 135 Â°C	@Temperature 275 Â°F		
8.00 min	8.00 min	Hot Plate	
@Temperature 120 Â°C	@Temperature 248 Â°F		
12.0 min	12.0 min	Oven	
@Temperature 120 Â°C	@Temperature 248 Â°F		

Processing Properties	Metric	English	Comments
	@Temperature 100 Â°C	@Temperature 212 Â°F	Hot Plate
	37.0 min	37.0 min	Oven
	@Temperature 100 Â°C	@Temperature 212 Â°F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 25.0 Â°C	@Temperature 77.0 Â°F	
	12.0 Month	12.0 Month	
	@Temperature 4.00 Â°C	@Temperature 39.2 Â°F	

Descriptive Properties	Value	Comments
Appearance	Black	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China