

## Lord Adhesives Thermoset,ç MD-200 Electrically Conductive Die-Attach Adhesive

Category : Polymer , Adhesive

### Material Notes:

This is a system with the versatility to fit a wide variety of production and performance needs. The working life allows sufficient time for short production interruption. It can be initially cured at room temperature in 24 hours. Suitable for applications in which the part will not tolerate elevated temperatures. The cure schedule can also be shortened to 40 minutes by oven curing. Intended Use: Chip-on-board die-attach. All information provided by Lord.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lord-Adhesives-Thermoset-MD-200-Electrically-Conductive-Die-Attach-Adhesive.php](http://www.lookpolymers.com/polymer_Lord-Adhesives-Thermoset-MD-200-Electrically-Conductive-Die-Attach-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	2.75 g/cc	2.75 g/cc	
Viscosity	70000 cP	70000 cP	
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	ASTM D2240
Shear Strength	10.3 MPa	1500 psi	Die; 0.05" x 0.05" IC; Chatillon Force Gauge Model DPP-25
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	
	10.3 MPa	1500 psi	Tensile; ASTM D1002
	@Temperature 25.0 Å°C	@Temperature 77.0 Å°F	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	2.09 W/m-K	14.5 BTU-in/hr-ftÅ²-Å°F	
Glass Transition Temp, Tg	105 Å°C	221 Å°F	Perkin-Elmer DSC-2

Processing Properties	Metric	English	Comments
Cure Time	40.0 min	0.667 hour	Complete
	@Temperature 95.0 Å°C	@Temperature 203 Å°F	
	180 min	3.00 hour	Complete
	@Temperature 65.0 Å°C	@Temperature 149 Å°F	

Processing Properties	°C Metric	English	Comments
	1440 min @Temperature 25.0 °C	24.0 hour @Temperature 77.0 °F	Initial
	4320 - 7200 min @Temperature 25.0 °C	72.0 - 120 hour @Temperature 77.0 °F	Complete
Pot Life	60 min @Temperature 25.0 °C	60 min @Temperature 77.0 °F	
Shelf Life	6.00 Month @Temperature 25.0 °C	6.00 Month @Temperature 77.0 °F	Resin
	12.0 Month @Temperature 25.0 °C	12.0 Month @Temperature 77.0 °F	Hardener

Descriptive Properties	Value	Comments
Appearance	Silver	
Mix Ratio	100:10	by weight
	100:35	by volume

## Contact Songhan Plastic Technology Co.,Ltd.

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