

## Lord Adhesives Thermoset,ç MD-110 Conductive Adhesive

Category : Polymer , Adhesive

### Material Notes:

LORD Thermoset,ç MD-110 silver-filled conductive adhesive offers excellent electrical conductivity and room temperature stability. It is designed for use with automated dispensing, stamping and screen-printing application equipment. Thermoset MD-110 adhesive provides excellent adhesion to a wide variety of surfaces including silicon, silver, gold and copper. Low ionic levels make it ideally suited for demanding semiconductor and hybrid assembly applications. All information provided by Lord.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Lord-Adhesives-Thermoset-MD-110-Conductive-Adhesive.php](http://www.lookpolymers.com/polymer_Lord-Adhesives-Thermoset-MD-110-Conductive-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	4.20 g/cc	4.20 g/cc	
Viscosity	150000 cP @Temperature 25.0 Â°C	150000 cP @Temperature 77.0 Â°F	

Mechanical Properties	Metric	English	Comments
Modulus of Elasticity	3.20 GPa @Temperature 25.0 Â°C	464 ksi @Temperature 77.0 Â°F	Storage
Shear Strength	48.3 MPa @Temperature 25.0 Â°C	7000 psi @Temperature 77.0 Â°F	Die

Thermal Properties	Metric	English	Comments
CTE, linear	80.0 Âµm/m-Â°C	44.4 Âµin/in-Â°F	Alpha 1
	250 Âµm/m-Â°C	139 Âµin/in-Â°F	Alpha 2
Glass Transition Temp, Tg	60.0 Â°C	140 Â°F	TMA

Component Elements Properties	Metric	English	Comments
Potassium, K	<= 0.00050 %	<= 0.00050 %	
Sodium, Na	<= 0.00050 %	<= 0.00050 %	

Electrical Properties	Metric	English	Comments
Volume Resistivity	80000 ohm-cm @Temperature 25.0	80000 ohm-cm @Temperature 77.0 Â°F	

Electrical Properties	<sup>Å</sup> C Metric	English	Comments
Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 150 Å°C	@Temperature 302 Å°F	
	30.0 min	0.500 hour	
	@Temperature 130 Å°C	@Temperature 266 Å°F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 Å°C	@Temperature -40.0 Å°F	

Descriptive Properties	Value	Comments
Appearance	Silver	
Chloride (%)	< 0.0016	
Consistency	Paste	

## Contact Songhan Plastic Technology Co.,Ltd.

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