

Lord Adhesives 8641 Polymer Resistor Composition

Category : Polymer , Thermoset

Material Notes:

LORD 8600 series polymer resistor compositions are designed for screen print application onto a wide range of substrates. All information provided by Lord.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Lord-Adhesives-8641-Polymer-Resistor-Composition.php

Physical Properties	Metric	English	Comments
Brookfield Viscosity	20000 - 40000 cP @Temperature 25.0 Â°C	20000 - 40000 cP @Temperature 77.0 Â°F	HBT, Spindle CP-51 @ 1rpm
Thickness	14.0 - 18.0 microns	0.551 - 0.709 mil	

Electrical Properties	Metric	English	Comments
Surface Resistivity per Square	9000 - 11000 ohm	9000 - 11000 ohm	Cured on alumina substrate @ 210Â°C for 30 min; Termination: LORD 3504 Palladium Silver Conductor; Resistor Geometry: 1mm x 1mm

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 210 Â°C	0.500 hour @Temperature 410 Â°F	
Shelf Life	6.00 Month @Temperature 25.0 Â°C	6.00 Month @Temperature 77.0 Â°F	

Descriptive Properties	Value	Comments
Appearance	Black	
Consistency	Paste	
Thermal Coefficient of Resistance (ppm/Â°C)	<800	Cold TCR measured @ -55 to 25Â°C; Hot TCR measured @ 25Â° to 125Â°C
Typical Resistance Change (%)	<10	Electrostatic Discharge: Resistance change after two 2000 volt pulses on 1mm x 1mm resistor
	<3	Moisture Resistance: Resistance change on 1mm x 1mm resistor after 1 hour in a pressure cooker

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