

## Epoxyset Epoxiohm EO-21M-5 Electrically Conductive Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy, Electrically Conductive

### Material Notes:

EO-21M-5 is an electrically conductive & thermally conductive, silver filled epoxy adhesive. This two component system is designed to be cured at room temperature or the cure can be accelerated by elevated temperatures. Information provided by Epoxyset Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Epoxyset-Epoxiohm-EO-21M-5-Electrically-Conductive-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-21M-5-Electrically-Conductive-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	3.00 g/cc	0.108 lb/in <sup>3</sup>	
Viscosity	1000 - 1600 cP	1000 - 1600 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	75	75	ASTM D2240
Shear Strength	12.0 MPa	1740 psi	
Adhesive Bond Strength	9.65 MPa	1400 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	62.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	34.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	1.60 W/m-K	11.1 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	65.0 °C	149 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000500 ohm-cm	0.000500 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	180 min	3.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
Pot Life	2880 min	48.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	240 min	240 min	

## **Contact Songhan Plastic Technology Co.,Ltd.**

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