

Epoxyset Epoxiohm EO-23M Electrically Conductive Epoxy Adhesive

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

Material Notes:

EO-23M is an electrically conductive, low viscosity silver-filled epoxy adhesive. Used for hybrid / micro-electronic adhesive including die-attach and substrate attach for Rf and Microwave devices. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-23M-Electrically-Conductive-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	3.00 g/cc	0.108 lb/in ³	
Viscosity	4000 - 5000 cP	4000 - 5000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ASTM D2240
Shear Strength	24.0 MPa	3480 psi	
Adhesive Bond Strength	11.9 MPa	1720 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	49.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	27.2 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	1.80 W/m-K	12.5 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	150 °C	302 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	68.0 °C	154 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000400 ohm-cm	0.000400 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	120 min	2.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
Pot Life	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	120 min	120 min	

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