

Epoxyset Epoxiohm EO-21 Electrically Conductive Epoxy Adhesive

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

Material Notes:

EO-21 is a two part, silver filled high electrical conductivity epoxy adhesive. It is designed to cure at room temperature or rapidly at elevated temperature and exhibits very excellent adhesion and bond strength to a wide variety of substrates. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-21-Electrically-Conductive-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	3.00 g/cc	0.108 lb/in ³	
Viscosity	30000 cP	30000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ASTM D2240
Shear Strength	24.0 MPa	3480 psi	
Adhesive Bond Strength	11.4 MPa	1650 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	$\geq 2.00 \text{ W}/\text{m}\cdot\text{K}$	$\geq 13.9 \text{ BTU}\cdot\text{in}/\text{hr}\cdot\text{ft}^2\cdot\text{°F}$	
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	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Pot Life Processing Properties	120 min Metric	120 min English	Comments
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