

## Epoxyset Epoxiohm EO-30FST Electrically Conductive Epoxy Adhesive

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

### Material Notes:

EO-30-FST is two part, fast cure, silver filled, and high electrical conductivity epoxy adhesive. Both components are silver filled permitting a simple 1:1 mix ratio by weight. It has smooth creamy consistency. It can cure in 4 to 8 hours at room temperature. Information provided by Epoxyset Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Epoxyset-Epoxiohm-EO-30FST-Electrically-Conductive-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-30FST-Electrically-Conductive-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	3.10 g/cc	0.112 lb/in <sup>3</sup>	
Viscosity	>= 50000 cP	>= 50000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	>= 70	>= 70	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	72.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	40.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	2.00 W/m-K	13.9 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	120 °C	248 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	>= 40.0 °C	>= 104 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	0.000200 ohm-cm	0.000200 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 40.0 °C	@Temperature 104 °F	
	480 - 720 min	8.00 - 12.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Pot Life  
Processing Properties

10 min  
Metric

10 min  
English

Comments

## Contact Songhan Plastic Technology Co.,Ltd.

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