

## Epoxyset Epoxiohm EO-24 Electrically Conductive Epoxy Adhesive

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

### Material Notes:

EO-24 is a two components, 100% solids silver-filled epoxy system designed specifically for chip bonding in microelectronic and optoelectronic applications. It is used for thermal management applications due to its high thermal conductivity. Information provided by Epoxyset Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Epoxyset-Epoxiohm-EO-24-Electrically-Conductive-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-24-Electrically-Conductive-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Density	3.10 g/cc	0.112 lb/in <sup>3</sup>	
Viscosity	3000 cP	3000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	ASTM D2240
Shear Strength	23.0 MPa	3340 psi	
Adhesive Bond Strength	9.65 MPa	1400 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	16.7 $\mu\text{in}/\text{in}\cdot\text{°F}$	
Thermal Conductivity	$\geq 2.50 \text{ W}/\text{m}\cdot\text{K}$	$\geq 17.4 \text{ BTU}\cdot\text{in}/\text{hr}\cdot\text{ft}^2\cdot\text{°F}$	
Maximum Service Temperature, Air	200 °C	392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	88.0 °C	190 °F	

Electrical Properties	Metric	English	Comments
Electrical Resistivity	$\leq 0.000400 \text{ ohm}\cdot\text{cm}$	$\leq 0.000400 \text{ ohm}\cdot\text{cm}$	

Processing Properties	Metric	English	Comments
Cure Time	5.00 min	0.0833 hour	
	@Temperature 175 °C	@Temperature 347 °F	
	60.0 min	1.00 hour	
	@Temperature 125 °C	@Temperature 257 °F	

Processing Properties	Metric <small>min</small>	English <small>min</small>	Comments
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## Contact Songhan Plastic Technology Co.,Ltd.

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