

Epoxyset Epoxiohm EO-98HT Electrically Conductive Epoxy Adhesive

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

Material Notes:

EO-98HT is a one component, electrically and thermally conductive, snap cure, die attach epoxy. It was designed for IC plastic packaging of semiconductors, hybrid micro-electronics, and photonic device assembly. Information provided by Epoxyset Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Epoxyset-Epoxiohm-EO-98HT-Electrically-Conductive-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Density	3.50 g/cc	0.126 lb/in ³	
Viscosity	35000 - 55000 cP	35000 - 55000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	ASTM D2240
Shear Strength	23.0 MPa	3340 psi	
Adhesive Bond Strength	>= 8.27 MPa	>= 1200 psi	Lap Shear Strength

Thermal Properties	Metric	English	Comments
CTE, linear	42.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	23.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
Thermal Conductivity	1.80 W/m-K	12.5 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	>= 200 °C	>= 392 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	>= 110 °C	>= 230 °F	

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

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 175 °C	@Temperature 347 °F	
	120 min	2.00 hour	
	@Temperature 125 °C	@Temperature 257 °F	

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