

**HTE-5356****High Temperature Epoxy**

Thermally Conductive, Low Viscosity, Potting Compound for Electrical Applications

<b>HANDLING &amp; CURING</b>	
Mix Ratio by Weight, resin : hardener	100:25
Specific Gravity, gms/cc @25 °C	1.95
Mixed Viscosity, cP @25 °C	3,000
Pot Life, 100 gm mass @25 °C, hrs	>8
Recommended Cure, hr/ °F	2/160 +2/300
Alternate Cure, hr/ °F	6/250
<b>CURED PROPERTIES</b>	
Temperature Resistance, °F	-67/+365
Temperature Resistance, °C	-55/+185
CTE, in/in/°F x 10 <sup>-6</sup> (°C)	18.9 (34.0)
Thermal Conductivity, Btu-in/hr-ft <sup>2</sup> -°F	8.4
Tensile Shear Strength, psi* <sup>1</sup>	-
Flexural Strength, psi	12,300
Volume Resistivity, ohms-cm	1.0 x 10 <sup>16</sup>
Dielectric Strength, volts-mils	480
Dielectric Constant, 1.0 kHz	4.7
Dissipation Factor	.01
Chemical Resistance	Excellent
Hardness, Shore D	92
Color	Black
Cure Shrinkage, in/in* <sup>2</sup>	.003
<small>*<sup>1</sup> Tested according to ASTM D1002-94. This is a method for determining the shear strength of a single lap-joint metal coupons in tension loading. *<sup>2</sup> Linear shrinkage is measured using a ¼ lb casting mass.</small>	

**General Information**

For safe handling information on this product, consult the Material Safety Data Sheet (MSDS).

**Shelf Life**

This product has a six months minimum shelf life after date of manufacture, unless otherwise specified, in original, unopened containers.

**Note**

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