

**HTE-5350****High Temperature Epoxy**

Aluminum-Filled, 1:1, Good Bond Strength and High Thermal Conductivity

| <b>HANDLING &amp; CURING</b>  |                       |
|---|-----------------------|
| Mix Ratio by Weight, resin : hardener   | 1:1                   |
| Specific Gravity, gms/cc @25 °C   | .85                   |
| Mixed Viscosity, cP @25 °C  | Paste                 |
| Pot Life, 100 gm mass @25 °C, hrs   | 4.0                   |
| Recommended Cure, hr/ °F  | 2/200                 |
| Alternate Cure, hr/ °F  | 24-48/RT              |
| <b>CURED PROPERTIES</b>   |                       |
| Temperature Resistance, °F  | -85/400               |
| Temperature Resistance, °C  | -65/204               |
| CTE, in/in/°F x 10 <sup>-6</sup> (°C)   | 33 (60)               |
| Thermal Conductivity, Btu-in/hr-ft <sup>2</sup> -°F   | 9.0                   |
| Tensile Shear Strength, psi* <sup>1</sup>   | 2,500                 |
| Flexural Strength, psi  | 11,400                |
| Volume Resistivity, ohms-cm   | 1.0 x 10 <sup>5</sup> |
| Dielectric Strength, volts-mils   | 80                    |
| Dielectric Constant, 1.0 kHz  | Not determined        |
| Dissipation Factor  | Not determined        |
| Chemical Resistance   | Excellent             |
| Hardness, Shore D   | 75                    |
| Color   | Grey                  |
| Cure Shrinkage, in/in* <sup>2</sup>   | .002                  |
| <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.<br/>*<sup>2</sup> Linear shrinkage is measured using ¾ 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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