

## Trelleborg Emerson & Cuming Stycast® E 1400 Two-Component General Purpose Encapsulant

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Encapsulant, Unreinforced

### Material Notes:

**Features and Typical Applications:** Designed as general purpose encapsulants, these products offer a wide range of features including thermal conductivity, mechanical shock and impact resistance, as well as thermal shock protection. Emerson & Cuming E 1400 Stycast® Two-Component General Purpose Encapsulant Good Chemical Resistance Filled Thermally conductive Mix Ratio by Weight = 100:100 Cure Type: Room Temp or Heat Bonding Type: Epoxy

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Trelleborg-Emerson-Cuming-StyCast-E-1400-Two-Component-General-Purpose-Encapsulant.php](http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-StyCast-E-1400-Two-Component-General-Purpose-Encapsulant.php)

| Physical Properties | Metric                           | English                          | Comments |
|---------------------|----------------------------------|----------------------------------|----------|
| Density             | 1.68 g/cc                        | 0.0607 lb/in <sup>3</sup>        |          |
| Viscosity           | 15000 cP<br>@Temperature 25.0 °C | 15000 cP<br>@Temperature 77.0 °F | Mixed    |

| Mechanical Properties | Metric | English | Comments |
|-----------------------|--------|---------|----------|
| Hardness, Shore D     | 75     | 75      |          |

| Thermal Properties               | Metric                              | English                                | Comments |
|----------------------------------|-------------------------------------|----------------------------------------|----------|
| CTE, linear                      | 149 µm/m-°C<br>@Temperature 20.0 °C | 82.8 µin/in-°F<br>@Temperature 68.0 °F |          |
| Thermal Conductivity             | 0.740 W/m-K                         | 5.14 BTU-in/hr-ft <sup>2</sup> -°F     |          |
| Maximum Service Temperature, Air | 105 °C                              | 221 °F                                 |          |
| Minimum Service Temperature, Air | -65.0 °C                            | -85.0 °F                               |          |
| Glass Transition Temp, Tg        | 11.0 °C                             | 51.8 °F                                |          |

| Electrical Properties | Metric                    | English                   | Comments |
|-----------------------|---------------------------|---------------------------|----------|
| Dielectric Constant   | 4.0<br>@Frequency 1e+6 Hz | 4.0<br>@Frequency 1e+6 Hz |          |
| Dielectric Strength   | 15.7 kV/mm                | 400 kV/in                 |          |

| Processing Properties | Metric        | English          | Comments |
|-----------------------|---------------|------------------|----------|
| Cure Time             | 120 - 240 min | 2.00 - 4.00 hour |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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