

## Trelleborg Emerson & Cuming Stycast® E-1000 One-Component Epoxy Low Stress Encapsulant

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

### Material Notes:

Emerson & Cuming E-1000 Stycast® One-Component Epoxy Low Stress Encapsulant Designed for the encapsulation of a wide range of stress sensitive electronics. They offer excellent performance at low temperatures and provide protection from mechanical shock and vibration. Low viscosity, good chemical resistance. Mix Ratio (by weight) = 100:120 Cure Type: Heat Bonding Type: Epoxy

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Trelleborg-Emerson-Cuming-Stycast-E-1000-One-Component-Epoxy-Low-Stress-Encapsulant.php](http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Stycast-E-1000-One-Component-Epoxy-Low-Stress-Encapsulant.php)

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in <sup>3</sup>	
Viscosity	1500 cP @Temperature 25.0 °C	1500 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	30	30	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	65.0 °C	149 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Glass Transition Temp, Tg	-18.0 °C	-0.400 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.9 @Frequency 1e+6 Hz	4.9 @Frequency 1e+6 Hz	
Dielectric Strength	11.8 kV/mm	300 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	>= 180 min	>= 3.00 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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