

Trelleborg Emerson & Cuming Stycast® 2850FT-FR/11 Two-Component Epoxy Flame Retardant Encapsulant

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

Material Notes:

Features and Typical Applications Provide flame resistance down to 1/8 of an inch. These products also offer various other features such as thermal shock protection, low viscosity, and thermal conductivity. Typical applications include a wide range of electrical components such as capacitors and transformers.

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Encapsulant Thermally Conductive Excellent Chemical Resistance High Temperature Mix Ratio by Weight = 100:4 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-2850FT-FR11-Two-Component-Epoxy-Flame-Retardant-Encapsulant.php

Physical Properties	Metric	English	Comments
Density	2.33 g/cc	0.0842 lb/in ³	
Viscosity	65000 cP	65000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	94	94	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	1.23 W/m-K	8.54 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	155 °C	311 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	
Glass Transition Temp, Tg	30.0 °C	86.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	6.0	6.0	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	19.3 kV/mm	490 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	30.0 - 60.0 min	0.500 - 1.00 hour	

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