

Trelleborg Emerson & Cuming Stycast® 2057FR/11 Two-Component Epoxy Flame Retardant Encapsulant

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

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. **Emerson & Cuming 2057FR/11 Stycast® Two-Component Epoxy Flame Retardant Encapsulant** **Low Viscosity** **Good Chemical Resistance** **Filled** **High Temperature** **Mix Ratio by Weight = 100:8** **Cure Type: Heat** **Bonding Type: Epoxy**

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Stycast-2057FR11-Two-Component-Epoxy-Flame-Retardant-Encapsulant.php

Physical Properties	Metric	English	Comments
Density	1.58 g/cc	0.0571 lb/in ³	
Viscosity	3400 cP	3400 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.400 W/m-K	2.78 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	43.0 °C	109 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	4.4	4.4	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	16.7 kV/mm	425 kV/in	

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

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