

Trelleborg Emerson & Cuming Stycast® 1090/11 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 1090/11 Stycast® Two-Component General Purpose Encapsulant Good Chemical Resistance High temperature Mix Ratio by Weight = 100:10.5 Cure Type: Heat Bonding Type: Epoxy

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Stycast-109011-Two-Component-General-Purpose-Encapsulant.php

Physical Properties	Metric	English	Comments
Density	0.800 g/cc	0.0289 lb/in ³	
Viscosity	29000 cP @Temperature 25.0 °C	29000 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	82	82	

Thermal Properties	Metric	English	Comments
CTE, linear	40.0 µm/m-°C @Temperature 20.0 °C	22.2 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	0.190 W/m-K	1.32 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	155 °C	311 °F	
Minimum Service Temperature, Air	-55.0 °C	-67.0 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.7 @Frequency 1e+6 Hz	2.7 @Frequency 1e+6 Hz	
Dielectric Strength	14.8 kV/mm	375 kV/in	

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

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