

Trelleborg Emerson & Cuming Stycast® 5954 Two-Component Silicone High Service Temp Encapsulant

Category : Polymer , Adhesive , Thermoset , Silicone

Material Notes:

Features and Typical Applications Ability to withstand high temperatures, thermal shock, and chemical exposure. These products are designed for heat generating electronic devices which operate in harsh environments. Typical applications include sensors, transformers, power supplies, and rectifiers. Emerson & Cuming 5954 Stycast® Two-Component Silicone High Service Temp Encapsulant Thermally Conductive Poor Chemical Resistance Filled Mix Ratio by Weight = 100:100 Cure Type: Room Temp or Heat Bonding Type: Silicone

Order this product through the following link:

http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Stycast-5954-Two-Component-Silicone-High-Service-Temp-Encapsulant.php

Physical Properties	Metric	English	Comments
Density	2.45 g/cc	0.0885 lb/in ³	
Viscosity	35000 cP @Temperature 25.0 °C	35000 cP @Temperature 77.0 °F	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	85	85	

Thermal Properties	Metric	English	Comments
CTE, linear	150 µm/m-°C @Temperature 20.0 °C	83.3 µin/in-°F @Temperature 68.0 °F	
Thermal Conductivity	1.15 W/m-K	7.98 BTU-in/hr-ft ² -°F	
Maximum Service Temperature, Air	260 °C	500 °F	
Minimum Service Temperature, Air	-65.0 °C	-85.0 °F	
Glass Transition Temp, Tg	-120 °C	-184 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	5.0 @Frequency 1e+6 Hz	5.0 @Frequency 1e+6 Hz	

Processing Properties	Metric	English	Comments
Cure Time	>= 20.0 min	>= 0.333 hour	

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