

## Trelleborg Emerson & Cuming Stycast® 2651-40FR/9 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. Emerson & Cuming 2651-40FR/9 Stycast® Two-Component Epoxy Flame Retardant Encapsulant Thermally Conductive Good Chemical Resistance Filled Mix Ratio by Weight = 100:9 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-2651-40FR9-Two-Component-Epoxy-Flame-Retardant-Encapsulant.php](http://www.lookpolymers.com/polymer_Trelleborg-Emerson-Cuming-Stycast-2651-40FR9-Two-Component-Epoxy-Flame-Retardant-Encapsulant.php)

Physical Properties	Metric	English	Comments
Density	1.49 g/cc	0.0538 lb/in <sup>3</sup>	
Viscosity	8000 cP	8000 cP	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.550 W/m-K	3.82 BTU-in/hr-ft <sup>2</sup> -°F	
Maximum Service Temperature, Air	130 °C	266 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Glass Transition Temp, Tg	56.0 °C	133 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8	3.8	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	
Dielectric Strength	17.7 kV/mm	450 kV/in	

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

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