

## 3M Scotchcast™ 5400 Electrical Powder Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

### Material Notes:

3M Scotchcast Electrical Resin 5400 has been specially developed for continuous coating process. It is well suited for applications where flexibility and resistance to cracking due to heat shock or impact are required. Scotchcast 5400 is manufactured by a fusion blend process which insures that each individual particle of powder contains all the components necessary to effect a complete cure and attain the stated performance characteristics. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotchcast-5400-Electrical-Powder-Resin.php](http://www.lookpolymers.com/polymer_3M-Scotchcast-5400-Electrical-Powder-Resin.php)

Physical Properties	Metric	English	Comments
Density	1.22 g/cc	0.0441 lb/in <sup>3</sup>	cured; ASTM D794

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.270 W/m-K	1.87 BTU-in/hr-ft <sup>2</sup> -°F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	3.8	3.8	
	@Frequency 100 Hz, Temperature 25.0 °C	@Frequency 100 Hz, Temperature 77.0 °F	
Dissipation Factor	4.5	4.5	
	@Frequency 100 Hz, Temperature 150 °C	@Frequency 100 Hz, Temperature 302 °F	
Dissipation Factor	0.50	0.50	
	@Frequency 100 Hz, Temperature 25.0 °C	@Frequency 100 Hz, Temperature 77.0 °F	
Dissipation Factor	0.50	0.50	after 18 hours
	@Frequency 100 Hz, Temperature 150 °C	@Frequency 100 Hz, Temperature 302 °F	

Processing Properties	Metric	English	Comments
Dry Time	0.333 hour	0.333 hour	50% RH
Gel Time	0.250 - Error in fixSigDigits: @digits must be between 1 and 12. @digits is: 15 min	0.250 - Error in fixSigDigits: @digits must be between 1 and 12. @digits is: 15 min	
	@Temperature 204 °C	@Temperature 399 °F	

Descriptive Properties	Value	Comments
Appearance	Yellow/Tan	

## Contact Songhan Plastic Technology Co.,Ltd.

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