

3M Scotchcast™ 5388 Electrical Epoxy Powder Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

Material Notes:

3M Scotchcast Electrical Resin 5388 is a one-part, blue pigmented, rapid heat curing powder resin, designed to provide a continuous, tough moisture and chemical resistant dielectric coating to a variety of substrates. Resin 5388 is manufactured by a fusion blend process, insuring that each individual particle of powder contains all the components necessary to effect a complete cure and attain stated performance properties. Resin 5388 is applied to a cold object via the electrostatic fluid bed process. The negatively charge resin particles are attracted to the grounded object to be coated. Coating thicknesses up to 25 mils may be obtained. Because of its superior charging capabilities resin 5388 exhibits excellent slot penetration on motor stators and armatures. Uses for electrical resin 5388 include moisture-proofing and insulating armatures, stators, buss bars and toroid cores. Information provided by 3M

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Scotchcast-5388-Electrical-Epoxy-Powder-Resin.php

Physical Properties	Metric	English	Comments
Density	1.57 g/cc	0.0567 lb/in ³	cured; ASTM D794

Mechanical Properties	Metric	English	Comments
Impact Test	11.3 J	8.33 ft-lb	12-15 mil coating 1/8" sandblasted steel panel Gardner 5/8: Radius Impact Tester

Electrical Properties	Metric	English	Comments
Dielectric Strength	43.3 kV/mm	1100 kV/in	12 to 15 mil coating; ASTM D149

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	
	@Temperature 232 °C	@Temperature 450 °F	
	6.00 min	0.100 hour	
	@Temperature 204 °C	@Temperature 399 °F	
	15.0 min	0.250 hour	
	@Temperature 177 °C	@Temperature 351 °F	
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	hot plate
	@Temperature 193 °C	@Temperature 379 °F	
Shelf Life	18.0 Month	18.0 Month	

Processing Properties	@Temperature <=16.0 Metric	@Temperature <=60.8 English	Comments
-----------------------	-------------------------------	--------------------------------	----------

Descriptive Properties	Value	Comments
Appearance	Blue	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China