

## 3M Scotchcast™ 262 Electrical Epoxy Powder Resin

Category : Polymer , Thermoset , Epoxy , Epoxy Cure Resin

### Material Notes:

3M Scotchcast Electrical Resin 262 is a widely used, well-known general purpose epoxy powder resin. A one-part, red pigmented, rapid heat-curing product, it is designed to provide a continuous, tough moisture and chemical resistant dielectric coating to a variety of substrates. Information provided by 3M

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Scotchcast-262-Electrical-Epoxy-Powder-Resin.php](http://www.lookpolymers.com/polymer_3M-Scotchcast-262-Electrical-Epoxy-Powder-Resin.php)

| Physical Properties | Metric    | English                   | Comments         |
|---------------------|-----------|---------------------------|------------------|
| Density             | 1.34 g/cc | 0.0484 lb/in <sup>3</sup> | 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   | 39.4 kV/mm | 1000 kV/in | 12 to 15 mil coating; ASTM D149 |

| Processing Properties | Metric                                                                              | English                                                                             | Comments  |
|-----------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------|
| Cure Time             | 0.500 min                                                                           | 0.00833 hour                                                                        |           |
|                       | @Temperature 232 °C                                                                 | @Temperature 450 °F                                                                 |           |
|                       | 1.00 min                                                                            | 0.0167 hour                                                                         |           |
|                       | @Temperature 204 °C                                                                 | @Temperature 399 °F                                                                 |           |
|                       | 20.0 min                                                                            | 0.333 hour                                                                          |           |
|                       | @Temperature 177 °C                                                                 | @Temperature 351 °F                                                                 |           |
|                       | 40.0 min                                                                            | 0.667 hour                                                                          |           |
|                       | @Temperature 149 °C                                                                 | @Temperature 300 °F                                                                 |           |
| Gel Time              | 0.200 - Error in fixSigDigits: @digits must be between 1 and 12. @digits is: 15 min | 0.200 - Error in fixSigDigits: @digits must be between 1 and 12. @digits is: 15 min | hot plate |
|                       | @Temperature 193 °C                                                                 | @Temperature 379 °F                                                                 |           |
| Shelf Life            | 24.0 Month                                                                          | 24.0 Month                                                                          |           |
|                       | @Temperature <=27.0 °C                                                              | @Temperature <=80.6 °F                                                              |           |

| Descriptive Properties | Value | Comments |
|------------------------|-------|----------|
| Appearance             | Red   |          |

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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