

## Aremco Corr-Paint™ CP4050 High Temperature Protective Coating Silicone

Category : Other Engineering Material , Ceramic/Metallic Coating , Polymer , Thermoset , Silicone

### Material Notes:

Low viscosity, green coating for power resistors to 1100°F (593°C)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Corr-Paint-CP4050-High-Temperature-Protective-Coating-Silicone.php](http://www.lookpolymers.com/polymer_Aremco-Corr-Paint-CP4050-High-Temperature-Protective-Coating-Silicone.php)

| Physical Properties                      | Metric         | English        | Comments                       |
|--|----------------|----------------|--------------------------------|
| Specific Gravity                         | 1.31 g/cc      | 1.31 g/cc      |                                |
| Solids Content                           | 39.5 %         | 39.5 %         | by volume                      |
|  | 48.5 %         | 48.5 %         | by weight                      |
| Volatile Organic Compounds (VOC) Content | 117 g/l        | 117 g/l        |                                |
| Viscosity                                | 500 - 750 cP   | 500 - 750 cP   |                                |
| Thickness                                | 25.4 microns   | 1.00 mil       | recommended dry film thickness |
|  | 64.3 microns   | 2.53 mil       | estimated wet film thickness   |
| Storage Temperature                      | 12.8 - 29.4 °C | 55.0 - 85.0 °F |                                |

| Thermal Properties               | Metric    | English   | Comments |
|----------------------------------|-----------|-----------|----------|
| Maximum Service Temperature, Air | 593 °C    | 1100 °F   |          |
| Flash Point                      | >= 100 °C | >= 212 °F |          |

| Processing Properties  | Metric                          | English                           | Comments   |
|------------------------|---------------------------------|-----------------------------------|--|
| Processing Temperature | 10.0 - 48.9 °C                  | 50.0 - 120 °F                     | Application Temperature  |
| Dry Time               | 1 hour                          | 1 hour                            | Handling   |
|                        | 2 hour                          | 2 hour                            | Touch  |
|                        | >= 2.5 hour                     | >= 2.5 hour                       | Recoat   |
| Cure Time              | >= 60.0 min                     | >= 1.00 hour                      | Air Set prior to curing  |
|                        | 45.0 min<br>@Temperature 232 °C | 0.750 hour<br>@Temperature 450 °F | Adequate ventilation is required when curing these products. Outgassing will occur above 300°F and cease after 750°F. An additional 30 minutes is required at the highest service temperature if service temperature is below 750°F. |

| Shelf Life<br>Processing Properties | 6.00 Month<br>Metric | 6.00 Month<br>English  | Comments |
|-------------------------------------|----------------------|------------------------|----------|
| Descriptive Properties              |                      | Value                  | Comments |
| Color                               |                      | Green                  |          |
| Dry Film Coverage ft2/gal           |                      | 634                    | at 1 mil |
| Thinner                             |                      | Butyl Cellosolve/Water |          |

## Contact Songhan Plastic Technology Co.,Ltd.

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