

## Aremco Ceramacoat™ 512-N High Temperature Potting & Casting Material Silica

Category : Ceramic , Oxide , Silicon Oxide , Potting/Casting Ceramic , Other Engineering Material , Ceramic/Metallic Coating

**Material Notes:**

Viscous, off-white paste for circuit breakers, power resistors and solenoids to 240°F (1316°C)

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramacoat-512-N-High-Temperature-Potting-Casting-Material-Silica.php](http://www.lookpolymers.com/polymer_Aremco-Ceramacoat-512-N-High-Temperature-Potting-Casting-Material-Silica.php)

Physical Properties	Metric	English	Comments
Density	1.98 g/cc	0.0715 lb/in <sup>3</sup>	
Solids Content	55.0 %	55.0 %	Volume
	75.9 %	75.9 %	Weight
Volatiles	0.000 %	0.000 %	
Viscosity	60000 - 80000 cP	60000 - 80000 cP	
Thickness	25.4 microns	1.00 mil	Dry Film
	46.2 microns	1.82 mil	Wet Film
Storage Temperature	55.0 - 85.0 °C	131 - 185 °F	

Thermal Properties	Metric	English	Comments
CTE, linear	9.90 µm/m-°C	5.50 µin/in-°F	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	1320 °C	2400 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+9 ohm-cm	1.00e+9 ohm-cm	
Dielectric Strength	6.30 kV/mm	160 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Dry Time	2 - 4 hour	2 - 4 hour	Air dry
Cure Time	1440 min	24.0 hour	
	@Temperature 23.0 °C	@Temperature 73.4 °F	

Processing Properties	12000 min Metric	200 hour English	Comments
	@Time 7200 - 14400 sec	@Time 2.00 - 4.00 hour	1st cure
	21000 min  @Time 3600 - 7200 sec	350 hour  @Time 1.00 - 2.00 hour	2nd cure
	30000 min  @Time 3600 sec	500 hour  @Time 1.00 hour	3rd cure
Shelf Life	6.00 Month	6.00 Month	

Descriptive Properties	Value	Comments
Color	Off-White	attacked by HF
Theoretical Dry Film Coverage	21.6 m2/liter	
Thinner	521-N-T	

## Contact Songhan Plastic Technology Co.,Ltd.

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