

Aremco Cerama-Dip™ 538-N-BLK High Temperature Specialty Ceramic-Inorganic Coating

Category : Ceramic , Oxide , Other Engineering Material , Ceramic/Metallic Coating

Material Notes:

Low viscosity, light gray coating for powder resistors and rheostats to 2600°F (1427°C). black and green pigments also available.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Cerama-Dip-538-N-BLK-High-Temperature-Specialty-Ceramic-Inorganic-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.74 g/cc	1.74 g/cc	
Solids Content	42.4 %	42.4 %	by volume
	65.6 %	65.6 %	by weight
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Viscosity	2000 - 2500 cP	2000 - 2500 cP	Brookfield LV Viscometer
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	60.2 microns	2.37 mil	estimated wet film thickness
Storage Temperature	12.8 - 30.0 °C	55.0 - 86.0 °F	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1430 °C	2600 °F	Continuous

Electrical Properties	Metric	English	Comments
Dielectric Strength	4.33 kV/mm	110 kV/in	

Processing Properties	Metric	English	Comments
Dry Time	1 hour	1 hour	Touch
	1 hour	1 hour	Handling
Cure Time	>= 60.0 min	>= 1.00 hour	Air Set prior to curing
	180 - 360 min	3.00 - 6.00 hour	2-4 hr at 200°F followed by 1-2 hr at 350°F
Shelf Life	6.0 Month	6.0 Month	
	@Temperature 12.8 - 29.4 °C	@Temperature 55.0 - 85.0 °F	

Descriptive Properties	Value	Comments
Application Temperature	50 - 90°F	
Color	Black	
Dry Film Coverage ft ² /gal	676	at 1 mil
Thinner	538-N-T	

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