

Aremco Ceramacoat™ 845-SIL High Temperature Ceramic-Inorganic Coating

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

Material Notes:

Single part, waterborne, silicon-filled, phosphate-bonded, matte silver coating for glass and quartz to 2000 °F (1093 °C). Primarily used for marking ceramic parts and coating automotive headlamps, stadium lighting and quartz vessels for the semiconductor industry. Standard viscosity is 200–400 cP; a higher viscosity coating, 845-HV, in the range of 500–800 cP is available upon request.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Ceramacoat-845-SIL-High-Temperature-Ceramic-Inorganic-Coating.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.46 g/cc	1.46 g/cc	
Solids Content	23.1 %	23.1 %	by volume
	44.4 %	44.4 %	by weight
Volatile Organic Compounds (VOC) Content	0.00 g/l	0.00 g/l	
Viscosity	400 - 900 cP	400 - 900 cP	
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	110 microns	4.34 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	816 °C	1500 °F	Continuous

Processing Properties	Metric	English	Comments
Processing Temperature	10.0 - 32.2 °C	50.0 - 90.0 °F	Application Temperature
Cure Time	5.00 min	0.0833 hour	Step 2
	@Temperature 482 °C	@Temperature 900 °F	
Shelf Life	10.0 min	0.167 hour	Step 1, preceeded by >10 min. air set
	@Temperature 93.3 °C	@Temperature 200 °F	

Descriptive Properties	Value	Comments
Color	Matte Silver	Cured

Dry Film Coverage ft ² /gal Descriptive Properties	370 Value	at 1 mil Comments
Thinner	845-T	

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