

Aremco HiE-Coat™ 840-M High Emissivity Coating, Inorganic-Ceramic Filled

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

Material Notes:

Ceramic-based, black-pigmented coating for carbon and stainless steel to 2000 °F (1093°C).

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-HiE-Coat-840-M-High-Emissivity-Coating-Inorganic-Ceramic-Filled.php

Physical Properties	Metric	English	Comments
Density	>= 1.54 g/cc	>= 0.0556 lb/in ³	
Solids Content	46.3 %	46.3 %	by volume
	50.0 %	50.0 %	by weight
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	600 - 900 cP	600 - 900 cP	
Thickness	25.4 microns	1.00 mil	recommended dry film thickness
	53.8 microns	2.12 mil	estimated wet film thickness

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	1090 °C	2000 °F	

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Cure Time	60.0 min	1.00 hour	Step 1, preceeded by 1 hour air set
	@Temperature 93.3 °C	@Temperature 200 °F	
	60.0 min	1.00 hour	Step 2
	@Temperature 260 °C	@Temperature 500 °F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 12.8 - 29.4 °C	@Temperature 55.0 - 85.0 °F	

Descriptive Properties	Value	Comments
Color	Jet Black	
Dry Film Coverage ft ² /gal	742	at 1 mil

Thinner Descriptive Properties	840M-T Value	Comments
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Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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