

## Aremco Ceramabond™ 835-MB High Temperature Ceramic Adhesive/Paste, Alumina Filled

Category : Ceramic , Oxide , Aluminum Oxide

### Material Notes:

Aremco's ceramic adhesives are easy to use, one- and two-component systems which air dry in 1-2 hrs and are ready for use following a 200 to 700 °F cure. These materials are mostly water-based and do not outgas after curing. They are also environmentally safe, non-flammable materials which contain no volatile organic compounds. General Features: High Strength, Good Filler Bonding: Ceramic to Ceramic, Ceramic to Metal Principal Use: Halogen Lamps

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramabond-835-MB-High-Temperature-Ceramic-AdhesivePaste-Alumina-Filled.php](http://www.lookpolymers.com/polymer_Aremco-Ceramabond-835-MB-High-Temperature-Ceramic-AdhesivePaste-Alumina-Filled.php)

Physical Properties	Metric	English	Comments
Density	2.00 - 2.15 g/cc	0.0723 - 0.0777 lb/in <sup>3</sup>	
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	40000 - 80000 cP	40000 - 80000 cP	

Mechanical Properties	Metric	English	Comments
Impact Test	36.6 J	27.0 ft-lb	Torque Strength; curing at 1000°F

Thermal Properties	Metric	English	Comments
CTE, linear	6.84 μm/m-°C	3.80 μin/in-°F	
Maximum Service Temperature, Air	1650 °C	3000 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	7.95 kV/mm	202 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Cure Time	120 min	2.00 hour	Step 1, preceeded by 1-4 hour air set
	@Temperature 93.3 °C	@Temperature 200 °F	
	120 min	2.00 hour	Step 2
	@Temperature 177 °C	@Temperature 350 °F	
	120 min	2.00 hour	Step 3
	@Temperature 260 °C	@Temperature 500 °F	

Processing Properties	Metric @ 4.44 Month	English @ 40.0 Month	Comments
Shelf Life	@Temperature 4.44 - 32.2 °C	@Temperature 40.0 - 90.0 °F	

Descriptive Properties	Value	Comments
Acid Resistance	Good	after curing at 700°F for 2 hours
Alkali Resistance	Excellent	after curing at 700°F for 2 hours
Color	White	
Mix Ratio	100:60-80	powder:liquid
Moisture Resistance	Good	after curing at 700°F for 2 hours
Solvent	Water	
Thinner	835-MB-T	

## Contact Songhan Plastic Technology Co.,Ltd.

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