

Aremco Ceramabond™ 885 High Temperature Ceramic Adhesive/Paste, Zirconia Filled

Category : Ceramic , Oxide , Zirconium 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: Fiber-Reinforced, Sets @ RT 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-885-High-Temperature-Ceramic-AdhesivePaste-Zirconia-Filled.php

Physical Properties	Metric	English	Comments
Density	2.65 - 2.70 g/cc	0.0957 - 0.0975 lb/in ³	
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	10000 - 20000 cP	10000 - 20000 cP	

Mechanical Properties	Metric	English	Comments
Impact Test	54.2 J	40.0 ft-lb	Torque Strength; curing at 1000°F

Thermal Properties	Metric	English	Comments
CTE, linear	7.20 μm/m-°C	4.00 μin/in-°F	
Maximum Service Temperature, Air	1760 °C	3200 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	4.13 kV/mm	105 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 hour air set
	@Temperature 93.3 °C	@Temperature 200 °F	
	120 min	2.00 hour	Step 2
	@Temperature 260 °C	@Temperature 500 °F	
	120 min	2.00 hour	Step 3
	@Temperature 371 °C	@Temperature 700 °F	

Processing Properties	Metric @ 4.44 Month	English @ 4.00 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	Good	after curing at 700°F for 2 hours
Color	Tan	
Moisture Resistance	Good	after curing at 700°F for 2 hours
Solvent	Water	
Thinner	885-T	

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