

## Aremco Ceramabond™ 685-N 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: Bonds Plated Metals to Ceramic Bonding: Ceramic to Metal Principal Use: Heaters, Igniters, Gasketing

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramabond-685-N-High-Temperature-Ceramic-AdhesivePaste-Zirconia-Filled.php](http://www.lookpolymers.com/polymer_Aremco-Ceramabond-685-N-High-Temperature-Ceramic-AdhesivePaste-Zirconia-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.85 - 1.95 g/cc	0.0668 - 0.0704 lb/in <sup>3</sup>	
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	5000 - 20000 cP	5000 - 20000 cP	

Mechanical Properties	Metric	English	Comments
Impact Test	47.5 J	35.0 ft-lb	Torque Strength; curing at 1000°F

Thermal Properties	Metric	English	Comments
CTE, linear	8.10 μm/m-°C	4.50 μin/in-°F	
Maximum Service Temperature, Air	1650 °C	3000 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	6.93 kV/mm	176 kV/in	

Processing Properties	Metric	English	Comments
Processing Temperature	50.0 - 90.0 °C	122 - 194 °F	Application Temp
Cure Time	120 min @Temperature 93.3 °C	2.00 hour @Temperature 200 °F	preceded by 1-4 hour air set
Shelf Life	6.00 Month @Temperature 4.44 - 32.2 °C	6.00 Month @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	Excellent	after curing at 700°F for 2 hours
Solvent	Water	
Thinner	685-N-T	

## Contact Songhan Plastic Technology Co.,Ltd.

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