

Aremco Ceramabond™ 671 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 Adhesive Strength Bonding: Ceramic to Ceramic, Ceramic to Metal, Metal to Metal Principal Use: Textiles, Threadlocking

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Ceramabond-671-High-Temperature-Ceramic-AdhesivePaste-Alumina-Filled.php

Physical Properties	Metric	English	Comments
Density	2.05 - 2.15 g/cc	0.0741 - 0.0777 lb/in ³	
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	77.3 J	57.0 ft-lb	Torque Strength; curing at 1000°F

Thermal Properties	Metric	English	Comments
CTE, linear	7.74 µm/m-°C	4.30 µin/in-°F	
Maximum Service Temperature, Air	1760 °C	3200 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	7.17 kV/mm	182 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	Excellent	after curing at 700°F for 2 hours
Color	White	
Moisture Resistance	Excellent	after curing at 700°F for 2 hours
Solvent	Water	
Thinner	671-T	

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