

Aremco Ceramabond™ 571 High Temperature Ceramic Adhesive/Paste, Magnesium Oxide Filled

Category : Ceramic , Oxide , Magnesium 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: Dielectric, High Strength Bonding: Ceramic to Metal, Metal to Metal Principal Use: Heaters, Sensors

Order this product through the following link:

http://www.lookpolymers.com/polymer_Aremco-Ceramabond-571-High-Temperature-Ceramic-AdhesivePaste-Magnesium-Oxide-Filled.php

Physical Properties	Metric	English	Comments
Density	1.90 - 2.20 g/cc	0.0686 - 0.0795 lb/in ³	
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	20000 - 90000 cP	20000 - 90000 cP	

Mechanical Properties	Metric	English	Comments
Impact Test	29.8 J	22.0 ft-lb	Torque Strength; curing at 1000°F

Thermal Properties	Metric	English	Comments
CTE, linear	12.6 µm/m-°C	7.00 µin/in-°F	
Maximum Service Temperature, Air	1760 °C	3200 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	3.58 kV/mm	91.0 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	Fair	after curing at 700°F for 2 hours
Alkali Resistance	Good	after curing at 700°F for 2 hours
Color	Off-White	
Mix Ratio	1:1, 1.5:1	powder:liquid
Moisture Resistance	Excellent	after curing at 700°F for 2 hours
Solvent	Water	
Thinner	571-T	

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