

## Aremco Ceramabond™ 552 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: Good Adhesion to Metals Bonding: Ceramic to Ceramic, Ceramic to Metal Principal Use: Low CTE Metals

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Aremco-Ceramabond-552-High-Temperature-Ceramic-AdhesivePaste-Alumina-Filled.php](http://www.lookpolymers.com/polymer_Aremco-Ceramabond-552-High-Temperature-Ceramic-AdhesivePaste-Alumina-Filled.php)

Physical Properties	Metric	English	Comments
Density	1.90 - 2.20 g/cc	0.0686 - 0.0795 lb/in <sup>3</sup>	
Volatile Organic Compounds (VOC) Content	0.000 g/l	0.000 g/l	
Viscosity	53000 - 73000 cP	53000 - 73000 cP	

Mechanical Properties	Metric	English	Comments
Impact Test	70.5 J	52.0 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	1650 °C	3000 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	6.81 kV/mm	173 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	
Cure Time	120 min	2.00 hour	Step 2
	@Temperature 260 °C	@Temperature 500 °F	
Shelf Life	6.00 Month	6.00 Month	
	@Temperature 4.44 -	@Temperature 40.0 -	

Processing Properties	32.2 °C Metric	90.0 °F English	Comments
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	White		
Moisture Resistance	Excellent	after curing at 700°F for 2 hours	
Solvent	Water		
Thinner	552-T		

## Contact Songhan Plastic Technology Co.,Ltd.

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