

## Tra-Con Tra-Bond 2208 Water White High Temperature Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 2208 is a clear, almost water-white low viscosity epoxy adhesive system recommended for rigid laminating, filament winding, potting and bonding applications. This all-liquid formulation contains no solvents, and is easily mixed, handled and applied at room temperature as it has a very long useful pot-life, however a final elevated temperature bake is REQUIRED for complete cure. TRA-BOND 2208 develops rigid high-strength bonds with excellent mechanical, structural and electrical properties coupled with good color stability, moderate heat resistance and good shock resistance. It adheres to metals, glass, glass products and fabrics, ceramics, rigid plastics and other high-temperature resistant materials. Fully cured TRA-BOND 2208 has superior electrical properties, and it provides excellent resistance to water, weather, vapors, gases and petroleum fuels and lubricants, salt solutions, most mild acids and alkalis, and many other chemical compounds. An additional post-cure of 4 hours at 145°C is recommended when application temperatures higher than 145°C are anticipated. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-2208-Water-White-High-Temperature-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2208-Water-White-High-Temperature-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.18 g/cc	1.18 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	1030 cP @Temperature 25.0 °C	1030 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	
Tensile Strength, Yield	60.0 MPa	8700 psi	
Elongation at Yield	5.0 %	5.0 %	
Izod Impact, Notched	0.155 J/cm	0.290 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	175 °C	347 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.30e+15 ohm-cm	2.30e+15 ohm-cm	
	1.40e+12 ohm-cm	1.40e+12 ohm-cm	

Electrical Properties	@Temperature 150 °C Metric	@Temperature 302 °F English	Comments
Dielectric Constant	3.2	3.2	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	15.6 kV/mm	395 kV/in	
Dissipation Factor	0.010	0.010	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	360 min	6.00 hour	2 hrs @ 65°C + 4 hrs @ 130°C
	600 min	10.0 hour	2 hrs @ 65°C + 8 hrs @ 115°C
Pot Life	7200 min	7200 min	(5 days)

Descriptive Properties	Value	Comments
Color	Clear	
Mix Ratio, parts by weight	100/3	Resin/Hardener

## Contact Songhan Plastic Technology Co.,Ltd.

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