

Tra-Con Tra-Bond 2112 Rigid Epoxy Staking Compound

Category : Polymer , Adhesive , Thermoset , Epoxy , Filled/Reinforced Thermoset

Material Notes:

TRA-BOND 2112 is a thixotropic epoxy system recommended for critical electronic, aerospace and industrial bonding, laminating and reinforcing applications requiring an adhesive with high-fill, non-sag characteristics. This two-part, solvent-free adhesive is easily mixed and used for staking components to printed circuit boards for enhanced mechanical rigidity, and for bonding, laminating and repair applications involving metals, glass, ceramics, wood and many plastics. TRA-BOND 2112 hardens to a tough, enamel-like coating offering good chemical resistance as well as superior physical and mechanical properties. The cured adhesive provides good electrical insulation and resistance to weather, galvanic action, petroleum products and lubricants, alcohol, salts, mild acids and alkalis, and other organic and inorganic compounds. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2112-Rigid-Epoxy-Staking-Compound.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	60000 cP	60000 cP	Mixed (rv #7, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Adhesive Bond Strength	13.1 MPa	1900 psi	Lap shear, alum to alum, 2 hrs @ 65°C
Izod Impact, Notched	0.400 J/cm	0.750 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	30.6 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	93.0 °C	199 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.1 kV/mm	410 kV/in	
Dissipation Factor	0.010	0.010	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	240 min	4.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	1440 min	24.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	30 min	30 min	

Descriptive Properties	Value	Comments
Color	Milky, Translucent	
Mix Ratio, parts by weight	100/22	Resin/Hardener
Thixotropic Index	6.5	1 rpm/10 rpm

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China