

## Tra-Con Tra-Bond 2116 Low Vapor Pressure Epoxy Staking Compound

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

### Material Notes:

TRA-BOND 2116 is a thixotropic, low vapor pressure epoxy system that passes the NASA Outgassing Specification. It is recommended for critical electronic, aerospace, and industrial applications where a high-fill, non-sag reliable adhesive is required for bonding and enhancing the mechanical and structural rigidity of assemblies. This two-part, solvent-free compound is readily mixed, handled, used, and cured at room temperature, and develops strong bonds to most clean, dry material surfaces including metals, glass, ceramics, wood and many plastics. Fully cured TRA-BOND 2116 bonds provide electrical insulation and excellent resistance to weather, galvanic action, petroleum solvents and lubricants, gasoline, jet fuels, alcohol, salts, and mild acids and alkalis. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-2116-Low-Vapor-Pressure-Epoxy-Staking-Compound.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-2116-Low-Vapor-Pressure-Epoxy-Staking-Compound.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.26 g/cc	1.26 g/cc	Mixed
Solids Content	100 %	100 %	Reactive Solids Content
Viscosity	100000 cP @Temperature 25.0 °C	100000 cP @Temperature 77.0 °F	After mixing

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Adhesive Bond Strength	17.2 MPa	2500 psi	Lap shear, alum to alum, 1 hr @ 65°C
Izod Impact, Notched	0.117 J/cm	0.220 ft-lb/in	

Thermal Properties	Metric	English	Comments
CTE, linear	55.0 $\mu\text{m}/\text{m}\cdot\text{°C}$ @Temperature 20.0 °C	30.6 $\mu\text{in}/\text{in}\cdot\text{°F}$ @Temperature 68.0 °F	
Maximum Service Temperature, Air	130 °C	266 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	115 °C	239 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+13 ohm-cm	6.00e+13 ohm-cm	
	1.00e+10 ohm-cm @Temperature 100 °C	1.00e+10 ohm-cm @Temperature 212 °F	

Electrical Properties	Metric	English	Comments
Dielectric Constant	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.3 kV/mm	415 kV/in	
Dissipation Factor	0.010 @Frequency 1000 Hz	0.010 @Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 65.0 °C	4.00 hour @Temperature 149 °F	
	1440 min @Temperature 25.0 °C	24.0 hour @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
Outgassing, NASA	Passes	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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