

## Tra-Con Tra-Bond 216L01 Clear Low Viscosity Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 216L01 is a clear, low viscosity epoxy adhesive system that contains no solvents, cures at room temperature, has excellent flowability and wetting characteristics, and adheres strongly to glass, ceramics, most metals and many plastics. It is particularly recommended for assembly and repair work of fiber optic and other high performance electronic and aerospace systems and components, and for structural laminating applications where an initial low viscosity and near transparent "color" are needed. Fully cured TRA-BOND 216L01 is a good electrical insulator, provides excellent resistance to weather, galvanic action, salt solutions and many other chemicals including mild acid and alkalis, petroleum solvents, lubricating oils, jet fuels and gasoline, and alcohol. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-216L01-Clear-Low-Viscosity-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-216L01-Clear-Low-Viscosity-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.16 g/cc	1.16 g/cc	Mixed
Viscosity	250 cP	250 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Izod Impact, Notched	0.128 J/cm	0.240 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	130 °C	266 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	90.0 °C	194 °F	Ultimate Tg

Optical Properties	Metric	English	Comments
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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

Electrical Properties	<sup>4.3</sup> Metric	<sup>4.3</sup> English	Comments
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	16.1 kV/mm	410 kV/in	
Dissipation Factor	0.020	0.020	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60.0 - 240 min	1.00 - 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	Clear, Transparent	
Mix Ratio, parts by weight	100/11	Resin/Hardener

## 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