

## Tra-Con Tra-Bond 216E02 Encapsulant for "Fill" Applications

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 216E02 is a two-part epoxy adhesive developed specifically for underfill and encapsulating applications where the combination of excellent mechanical, thermal and electrical properties are required. TRA-BOND 216E02 works in concert with 216E01 to perform `dam` and `fill` functions. TRA-BOND 216E02 exhibits superior adhesion to glass, ceramics, metals, plastics and other electronic materials. Fully cured TRA-BOND 216E02 is an excellent electrical insulator and provides resistance to water, gases and vapors, acids, alkalis, salt solutions, petroleum products 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-216E02-Encapsulant-for-Fill-Applications.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-216E02-Encapsulant-for-Fill-Applications.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.80 g/cc	1.80 g/cc	
Water Absorption	0.080 %	0.080 %	
Viscosity	66000 cP @Temperature 25.0 °C	66000 cP @Temperature 77.0 °F	Mixed (rv #7, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	89	89	
Adhesive Bond Strength	15.9 MPa	2300 psi	Lap shear, alum to alum, 4 hrs @ 65°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	63.0 °C	145 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	240 min @Temperature 65.0 °C	4.00 hour @Temperature 149 °F	
	4320 min @Temperature 25.0 °C	72.0 hour @Temperature 77.0 °F	
Pot Life	180 min	180 min	40 grams

Descriptive Properties	Value	Comments
Color	Black	
Mix Ratio, parts by weight	100/48.5	Resin/Hardener

Descriptive Properties	Value	Comments
Working Life hours	8	40 grams

## Contact Songhan Plastic Technology Co.,Ltd.

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