

## Tra-Con Tra-Bond 221U01 Electrically Insulating Epoxy Encapsulant

Category : Polymer , Thermoset , Epoxy

**Material Notes:**

TRA-BOND 221U01 is an electrically insulating, non-sagging epoxy encapsulant formulated to provide a smooth crown over the device of wire bonds. This encapsulant provides protection from thermal and mechanical shock. The long work life and smooth consistency of TRA-BOND 221U01 make it ideal for use in automatic dispensers. We recommend storage at -40°C or colder. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-221U01-Electrically-Insulating-Epoxy-Encapsulant.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-221U01-Electrically-Insulating-Epoxy-Encapsulant.php)

Physical Properties	Metric	English	Comments
Viscosity	86000 cP	86000 cP	Mixed (cp #51, 0.5 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	2 hrs @ 120°C
Adhesive Bond Strength	27.6 MPa	4000 psi	Lap shear, alum to alum

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	120 min	2.00 hour	
	@Temperature 120 °C	@Temperature 248 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Color	Black	
Thixotropic Index	6.1	
Working Life months	3	At 25°C

## Contact Songhan Plastic Technology Co.,Ltd.

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