

## Tra-Con Tra-Bond 342-3.5 Room Temperature Cure Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

### Material Notes:

TRA-BOND 342-3.5 room temperature curing epoxy adhesive is designed for applications which require outstanding thermal shock properties. This adhesive may be used to bond semi-porous materials such as ferrite, where a physical, rather than a chemical, bond is required. TRA-BOND 342-3.5 is recommended for fiber optic (glass and plastic) assembly and repair applications and other high performance electronic and aerospace applications that include structural laminating, lens and prism assembly, and small volume optical potting. Fully cured TRA-BOND 342-3.5 provides excellent resistance to salt solutions, mild acids and alkalis and many other chemicals including petroleum solvents, lubricating oils and alcohol. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-342-35-Room-Temperature-Cure-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-342-35-Room-Temperature-Cure-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Viscosity	5000 cP	5000 cP	Mixed

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	86	86	
Adhesive Bond Strength	26.2 MPa	3800 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	19.4 $\mu\text{in}/\text{in}\cdot\text{°F}$	Below Tg
	180 $\mu\text{m}/\text{m}\cdot\text{°C}$	100 $\mu\text{in}/\text{in}\cdot\text{°F}$	Above Tg
Glass Transition Temp, Tg	71.0 $\text{°C}$	160 $\text{°F}$	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 120 $\text{°C}$	@Temperature 248 $\text{°F}$	
	120 min	2.00 hour	
	@Temperature 95.0 $\text{°C}$	@Temperature 203 $\text{°F}$	
	240 min	4.00 hour	
	@Temperature 75.0 $\text{°C}$	@Temperature 167 $\text{°F}$	
	2880 min	48.0 hour	
	@Temperature 25.0 $\text{°C}$	@Temperature 77.0 $\text{°F}$	
	12.0 Month	12.0 Month	

Shelf Life Processing Properties	Metric @ Temperature 25.0 °C	English @ Temperature 77.0 °F	In Kits Comments
	12.0 Month	12.0 Month	PMF
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Working Life hours	8	At 25°C

## Contact Songhan Plastic Technology Co.,Ltd.

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