

Tra-Con Tra-Bond 342-1 Room Temperature Cure Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 342-1 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 342-1 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 342-1 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-342-1-Room-Temperature-Cure-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	5000 cP	5000 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

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
Glass Transition Temp, Tg	71.0 °C	160 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 120 °C	@Temperature 248 °F	
	120 min	2.00 hour	
	@Temperature 95.0 °C	@Temperature 203 °F	
	240 min	4.00 hour	
	@Temperature 75.0 °C	@Temperature 167 °F	
	2880 min	48.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	6.00 Month	6.00 Month	BIPAX @ 25°C
	12.0 Month	12.0 Month	PMF

Processing Properties	@Temperature -40.0 °C Metric	@Temperature -40.0 °F English	Comments
Descriptive Properties	Value		Comments
Color	Clear		
Mix Ratio, parts by weight	100/32		Resin/Hardener
Thixotropic Index	1		
Working Life hours	8		

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