

Tra-Con Tra-Bond 293-21 General Purpose Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 293-21 general purpose epoxy adhesive is designed to provide strong, resilient bonds to a variety of difficult-to-bond substrates, such as gold, nickel, silver, copper, and brass. The 293 series adhesives is cured at moderate temperatures, 60°C to 75°C.

Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-293-21-General-Purpose-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	28000 cP	28000 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Adhesive Bond Strength	31.0 MPa	4500 psi	Lap shear, alum to alum, @ 25°C

Thermal Properties	Metric	English	Comments
CTE, linear	90.0 µm/m-°C	50.0 µin/in-°F	Below Tg
	175 µm/m-°C	97.2 µin/in-°F	Above Tg
Thermal Conductivity	0.250 W/m-K	1.74 BTU-in/hr-ft²-°F	
	@Temperature 121 °C	@Temperature 250 °F	
Glass Transition Temp, Tg	36.0 °C	96.8 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.00e+13 ohm-cm	1.00e+13 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	
Dielectric Constant	3.7	3.7	
Dielectric Strength	35.4 kV/mm	900 kV/in	
Dissipation Factor	0.0080	0.0080	

Processing Properties	Metric	English	Comments
Cure Time	45.0 min	0.750 hour	

Processing Properties	@Temperature 120 °C Metric	@Temperature 248 °F English	Comments
	90.0 min	1.50 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	240 min	4.00 hour	
	@Temperature 75.0 °C	@Temperature 167 °F	
Shelf Life	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Working Life hours	3	

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com
Email : sales@lookpolymers.com
Tel : +86 021-51131842
Mobile : +86 13061808058
Skype : lookpolymers
Address : United North Road 215,Fengxian District, Shanghai City,China