

Tra-Con Tra-Bond 161-3 Temperature Resistant Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Filled/Reinforced Thermoset

Material Notes:

TRA-BOND 161-3 two component, premixed and frozen, epoxy adhesive is highly filled. This electrically insulating adhesive provides structural strength to 150°C and semi structural strength to 300°C. This adhesive also exhibits thermal conductivity four times higher than unfilled epoxy adhesives. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-161-3-Temperature-Resistant-Epoxy-Adhesive.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	
Adhesive Bond Strength	15.2 MPa	2200 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	32.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	17.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	Below Tg
Thermal Conductivity	0.810 W/m-K @Temperature 121 °C	5.62 BTU-in/hr-ft ² -°F @Temperature 250 °F	
Glass Transition Temp, Tg	147 °C	297 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	2.00e+15 ohm-cm	2.00e+15 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	30.0 min @Temperature 120 °C	0.500 hour @Temperature 248 °F	
	60.0 min @Temperature 95.0 °C	1.00 hour @Temperature 203 °F	
	120 min @Temperature 75.0 °C	2.00 hour @Temperature 167 °F	
Shelf Life	12.0 Month @Temperature -40.0 °C	12.0 Month @Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Color	Black	

Descriptive Properties	Value	Comments
------------------------	-------	----------

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