

Tra-Con Tra-Bond 224-1 Rapid Room Temperature Cure Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 224-1 room temperature curing epoxy adhesive develops structural strength rapidly. Unlike most "rapid cure" epoxies which gel in one or two minutes, TRA-BOND 224-1 adhesive exhibits a 30 minute work life. When cured at room temperature, this adhesive provides strong, reliable bonds. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-224-1-Rapid-Room-Temperature-Cure-Epoxy-Adhesive.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	
Adhesive Bond Strength	20.0 MPa	2900 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
CTE, linear	35.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	19.4 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Below Tg
	150 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	83.3 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Above Tg
Thermal Conductivity	0.400 W/m-K	2.78 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	66.0 °C	151 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.40e+14 ohm-cm	1.40e+14 ohm-cm	
Dielectric Strength	33.5 kV/mm	850 kV/in	

Processing Properties	Metric	English	Comments
Cure Time	3.00 min	0.0500 hour	
	@Temperature 95.0 °C	@Temperature 203 °F	
	10.0 min	0.167 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	240 min	4.00 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Shelf Life	12.0 Month	12.0 Month	In Kits
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	12.0 Month	12.0 Month	

Processing Properties	Metric	English	PMF Comments
	@ Temperature -40.0 °C	@ Temperature -40.0 °F	

Descriptive Properties	Value	Comments
Color	Black	
Weight Loss %	0.28	At 150°C
Working Life minutes	30	At 25°C

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