

Tra-Con Tra-Bond 862-7 General Purpose Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 862-7 semi-flexible, nonflowing epoxy paste adhesive is designed for general purpose applications. It is suitable for bonding materials with mismatched coefficients of expansion. This epoxy also offers excellent insulation. This general purpose adhesive is excellent for bonding rubber, metal, and most plastics, especially nylon. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-862-7-General-Purpose-Epoxy-Adhesive.php

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	
Adhesive Bond Strength	17.2 MPa	2500 psi	Lap shear, alum to alum, @ 25°C

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.398 W/m-K	2.76 BTU-in/hr-ft ² -°F	
Glass Transition Temp, Tg	40.0 °C	104 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	1.90e+12 ohm-cm	1.90e+12 ohm-cm	
	@Temperature 100 °C	@Temperature 212 °F	
Dielectric Constant	5.5	5.5	
	@Frequency 1000 Hz	@Frequency 1000 Hz	
Dielectric Strength	19.7 kV/mm	500 kV/in	
Dissipation Factor	0.14	0.14	
	@Frequency 1000 Hz	@Frequency 1000 Hz	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 95.0 °C	@Temperature 203 °F	
	120 min	2.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	4320 min	72.0 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Shelf Life Processing Properties	12.0 Month Metric	12.0 Month English	Comments
Descriptive Properties		Value	Comments
Color		Black	
Working Life hours		1	

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