

Tra-Con Tra-Bond 400-5 Low Temperature Cure Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 400-5 adhesive is a general purpose non-conductive epoxy. It combines the properties of a moderate work life with the ability to cure rapidly at temperatures as low as 60°C. Having a relatively low viscosity, TRA-BOND 400-5 adhesive is well suited for use in wet coil winding applications. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-400-5-Low-Temperature-Cure-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Viscosity	3500 cP	3500 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	
Adhesive Bond Strength	14.5 MPa	2100 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	115 °C	239 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	2.00 min	0.0333 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	5.00 min	0.0833 hour	
	@Temperature 125 °C	@Temperature 257 °F	
	30.0 min	0.500 hour	
	@Temperature 100 °C	@Temperature 212 °F	
	60.0 min	1.00 hour	
	@Temperature 75.0 °C	@Temperature 167 °F	
	120 min	2.00 hour	
	@Temperature 60.0 °C	@Temperature 140 °F	
	12.0 Month	12.0 Month	
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Shelf Life			

Descriptive Properties	Value	Comments
Thixotropic Index	1	
Working Life hours	4	At 25°C

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