

Tra-Con Tra-Bond 216R01 Fire Retardant Epoxy

Category : Polymer , Adhesive , Thermoset , Epoxy

Material Notes:

TRA-BOND 216R01 is a fast curing material with a set time of 5 to 7 minutes. Samples tested were certified to the requirements of UL94 V-0, and is RoHS compliant. TRA-BOND 216R01 develops significant properties 1 hour after mixing. However, an extended cure of 4-6 hours at 25°C is required for fully matured bonds. Note: TRA-BOND 216R01 develops a high exotherm. Use immediately after mixing. The exothermic reaction begins within 2 minutes after initiating the mixing step, so have everything ready before removing the BIPAX clamp. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-216R01-Fire-Retardant-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.20 g/cc	1.20 g/cc	Mixed
Viscosity	23000 cP	23000 cP	Hardener (cp #52, 10 rpm)
	45000 cP	45000 cP	Resin (cp #52, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	84	84	2 hrs @ 65°C
Adhesive Bond Strength	24.8 MPa	3600 psi	Lap shear, alum to alum, 24 hrs @ 25°C
	31.0 MPa	4500 psi	Lap shear, alum to alum, 2 hrs @ 65°C

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	38.0 °C	100 °F	Ultimate Tg; DSC
Flammability, UL94	V-0	V-0	
	@Thickness 6.35 mm	@Thickness 0.250 in	

Processing Properties	Metric	English	Comments
Cure Time	60.0 min	1.00 hour	
	@Temperature 65.0 °C	@Temperature 149 °F	
	240 - 360 min	4.00 - 6.00 hour	
	@Temperature 25.0 °C	@Temperature 77.0 °F	
Pot Life	5.0 min	5.0 min	

Descriptive Properties	Value	Comments
Color	Cream	
Mix Ratio, parts by weight	100/93	Resin/Hardener

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