

Tra-Con Tra-Duct 921M01 Low Viscosity Long Pot Life Silver-Filled Epoxy

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

Material Notes:

TRA-DUCT 921M01 is a two component, silver-filled electrically conductive epoxy adhesive designed for applications which require electrical conductivity and a long pot life at a relatively low heat cure. This adhesive is a soft, smooth paste ideal for application by automatic dispenser, screen-printing, or hand probe. This material can be conveniently packaged in our custom bipax as well as pre-mixed and frozen syringes. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-921M01-Low-Viscosity-Long-Pot-Life-Silver-Filled-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.61 g/cc	3.61 g/cc	Cured
Viscosity	23000 cP	23000 cP	Mixed (cp #52, 10 rpm)

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	10.3 MPa	1500 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
Glass Transition Temp, Tg	105 °C	221 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	0.00017 ohm-cm	0.00017 ohm-cm	cured 15 min @ 150°C
	0.00025 ohm-cm	0.00025 ohm-cm	cured 30 min @ 120°C
	0.00051 ohm-cm	0.00051 ohm-cm	cured 2 hrs @ 80°C
	0.0041 ohm-cm	0.0041 ohm-cm	cured 24 hrs @ 65°C

Processing Properties	Metric	English	Comments
Cure Time	15.0 min	0.250 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	30.0 min	0.500 hour	
	@Temperature 120 °C	@Temperature 248 °F	
	300 - 420 min	5.00 - 7.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
	1440 min	24.0 hour	

Processing Properties	Metric	English	Comments
	@ Temperature 65.0 °C	@ Temperature 149 °F	

Descriptive Properties	Value	Comments
Color	Silver	
Thixotropic Index	4	
Working Life days	2	

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