

Tra-Con Tra-Duct 29121 Snap Cure Conductive Silver Epoxy Adhesive

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

Material Notes:

TRA-DUCT 29121 is 100% solids, two component silver filled epoxy designed for chip bonding in microelectronic and optoelectronic applications. TRA-DUCT 29121 is a soft, smooth paste. This two-part formulation is free of solvents. TRA-DUCT 29121 can be screen printed, machine dispensed or stamped. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-29121-Snap-Cure-Conductive-Silver-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.00 g/cc	3.00 g/cc	Mixed, degassed
Viscosity	44500 cP	44500 cP	After mixing
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	7.65 MPa	1110 psi	Lap shear, alum to alum

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-60.0 °C	-76.0 °F	
Glass Transition Temp, Tg	62.0 °C	144 °F	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	0.750 min	0.0125 hour	
	@Temperature 175 °C	@Temperature 347 °F	
	5.00 min	0.0833 hour	
	@Temperature 150 °C	@Temperature 302 °F	
	15.0 min	0.250 hour	
	@Temperature 120 °C	@Temperature 248 °F	
	90.0 min	1.50 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
	720 min	12.0 hour	
	@Temperature 50.0 °C	@Temperature 122 °F	

Pot Life	1440 min	1440 min	(1 day)
Processing Properties	Metric	English	Comments

Descriptive Properties	Value	Comments
Color	Silver	
Mix Ratio, parts by weight	100/100	Resin/Hardener
Thixotropic Index	3.2	1 rpm/10 rpm, cp #52
Working Life hours	48	

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