

Tra-Con Tra-Duct 921U02 Long Pot Life Silver-Filled Epoxy

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

Material Notes:

TRA-DUCT 921U02 long room temperature pot life, silver-filled epoxy. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Duct-921U02-Long-Pot-Life-Silver-Filled-Epoxy.php

Physical Properties	Metric	English	Comments
Specific Gravity	3.60 g/cc	3.60 g/cc	Mixed
Viscosity	62000 cP	62000 cP	Mixed (cp #52, 5 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	90	90	7 hrs ± 30 min @ 95°C
Adhesive Bond Strength	15.01 MPa	2177 psi	Lap shear, alum to alum, 1 hr @ 150°C

Thermal Properties	Metric	English	Comments
CTE, linear	44.0 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	24.4 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Below Tg
	@Temperature -30.0 - 30.0 $^{\circ}\text{C}$	@Temperature -22.0 - 86.0 $^{\circ}\text{F}$	
	140 $\mu\text{m}/\text{m}\cdot^{\circ}\text{C}$	77.8 $\mu\text{in}/\text{in}\cdot^{\circ}\text{F}$	Above Tg
	@Temperature 110 - 150 $^{\circ}\text{C}$	@Temperature 230 - 302 $^{\circ}\text{F}$	
Glass Transition Temp, Tg	90.0 $^{\circ}\text{C}$	194 $^{\circ}\text{F}$	Ultimate Tg

Processing Properties	Metric	English	Comments
Cure Time	30.0 min	0.500 hour	
	@Temperature 150 $^{\circ}\text{C}$	@Temperature 302 $^{\circ}\text{F}$	
	60.0 min	1.00 hour	
	@Temperature 125 $^{\circ}\text{C}$	@Temperature 257 $^{\circ}\text{F}$	
Shelf Life	6.00 Month	6.00 Month	At 5°C
	12.0 Month	12.0 Month	
	@Temperature -40.0 $^{\circ}\text{C}$	@Temperature -40.0 $^{\circ}\text{F}$	

Descriptive Properties	Value	Comments
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Color Descriptive Properties	Silver Value	Comments
Working Life, months	3	

Contact Songhan Plastic Technology Co.,Ltd.

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