

Tra-Con Tra-Bond 723C01 One-Part Medical Grade Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND 723C01 is a fast, heat curing, one component adhesive targeted at medical applications. The material complies with USP Class VI toxicity requirements and is resistant to gamma sterilization. It is also recommended for bonding, sealing or insulating of heat sensitive parts. TRA-BOND 723C01 is often used for needle bonding applications. The adhesive adheres well to a variety of substrates including stainless steel, glass and various plastics. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-723C01-One-Part-Medical-Grade-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.34 g/cc	1.34 g/cc	Mixed
Viscosity	16500 cP @Temperature 25.0 °C	16500 cP @Temperature 77.0 °F	Mixed (lv #4, 12 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	15 min @ 100°C
Adhesive Bond Strength	7.58 MPa	1100 psi	Lap shear, alum to alum, 15 min @ 100°C

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	
Glass Transition Temp, Tg	72.0 °C	162 °F	Ultimate Tg

Electrical Properties	Metric	English	Comments
Volume Resistivity	6.00e+14 ohm-cm	6.00e+14 ohm-cm	

Processing Properties	Metric	English	Comments
Cure Time	10.0 min @Temperature 120 °C	0.167 hour @Temperature 248 °F	
	15.0 min @Temperature 100 °C	0.250 hour @Temperature 212 °F	
	20.0 min @Temperature 90.0 °C	0.333 hour @Temperature 194 °F	

Processing Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Color		Light Yellow	
Thixotropic Index		1.4	3 rpm/30 rpm

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