

Tra-Con Tra-Bond 526M05 Rapid Low Temperature Cure Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND 526M05 is a low viscosity, fast cure at low temperature, long pot-life adhesive. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-526M05-Rapid-Low-Temperature-Cure-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.37 g/cc	1.37 g/cc	Cured
Water Absorption	2.7 %	2.7 %	24 hrs @ 100°C & 1.5 ATM
Viscosity	3300 cP	3300 cP	Mixed (cp #40, 2.5 rpm)

Mechanical Properties	Metric	English	Comments
Adhesive Bond Strength	18.6 MPa	2700 psi	Lap shear, alum to alum, cured 10 min @ 140°C

Thermal Properties	Metric	English	Comments
CTE, linear	47.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	26.1 $\mu\text{in}/\text{in}\cdot\text{°F}$	Alpha 1
	@Temperature 10.0 - 50.0 °C	@Temperature 50.0 - 122 °F	
	144 $\mu\text{m}/\text{m}\cdot\text{°C}$	80.0 $\mu\text{in}/\text{in}\cdot\text{°F}$	Alpha 2
	@Temperature 150 - 200 °C	@Temperature 302 - 392 °F	
Glass Transition Temp, Tg	80.0 °C	176 °F	Ultimate Tg, 10°C/min; TMA

Processing Properties	Metric	English	Comments
Cure Time	10.0 min	0.167 hour	
	@Temperature 140 °C	@Temperature 284 °F	
	60.0 min	1.00 hour	
	@Temperature 80.0 °C	@Temperature 176 °F	
Pot Life	>= 480 min	>= 480 min	
	@Temperature 20.0 - 22.0 °C	@Temperature 68.0 - 71.6 °F	

Descriptive Properties	Value	Comments
Color	Brown	Cured

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