

Tra-Con Tra-Bond 546S04 Thixotropic UV/Blue Light Cure Adhesive

Category : Polymer , Adhesive , Thermoset

Material Notes:

TRA-BOND 546S04 is a thixotropic UV/blue light curable adhesive with a secondary heat cure. TRA-BOND 546S04 is ideal for general optics bonding, mounting of lenses, and glob top applications. The adhesive exhibits excellent bond strength retention after 85/85 exposure. Information provided by Tra-Con Inc.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-546S04-Thixotropic-UVBlue-Light-Cure-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.70 g/cc	1.70 g/cc	Cured
Viscosity	11400 cP	11400 cP	Adhesive (cp #52, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	88	88	
Adhesive Bond Strength	9.65 MPa	1400 psi	Lap shear, alum to alum, 15 min @ 120°C

Thermal Properties	Metric	English	Comments
CTE, linear	23.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	12.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	Alpha 1
	@Temperature -30.0 - 0.000 °C	@Temperature -22.0 - 32.0 °F	
Glass Transition Temp, Tg	123 $\mu\text{m}/\text{m}\cdot\text{°C}$	68.3 $\mu\text{in}/\text{in}\cdot\text{°F}$	Alpha 2
	@Temperature 100 - 150 °C	@Temperature 212 - 302 °F	
Glass Transition Temp, Tg	48.0 °C	118 °F	Ultimate Tg; DSC

Processing Properties	Metric	English	Comments
Cure Time	1.25 min	0.0208 hour	At 30 mW/cm ² , w/ UV exposure
	15.0 min	0.250 hour	
	@Temperature 120 °C	@Temperature 248 °F	
Pot Life	7200 min	7200 min	(5 days)

Descriptive Properties	Value	Comments
Color	Cream	Mixed

Descriptive Properties

Light Gray
Value

Cured
Comments

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China