

## Tra-Con Tra-Bond 546S01 Low Viscosity UV Curable Adhesive

Category : Polymer , Adhesive , Thermoset

**Material Notes:**

TRA-BOND 546S01 is a low viscosity UV curable adhesive with a secondary heat curing system to achieve a high Tg. It exhibits excellent adhesion to glass and many other substrates, making it ideal for a wide variety of optical applications. The 546S01 also has low cure shrinkage to minimize stress. An additional post heat cure at 100-130°C is required to achieve ultimate properties. Information provided by Tra-Con Inc.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Tra-Con-Tra-Bond-546S01-Low-Viscosity-UV-Curable-Adhesive.php](http://www.lookpolymers.com/polymer_Tra-Con-Tra-Bond-546S01-Low-Viscosity-UV-Curable-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.00 g/cc	1.00 g/cc	Cured
Viscosity	1000 cP	1000 cP	Mixed (cp #40, 10 rpm)

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	87	87	

Thermal Properties	Metric	English	Comments
CTE, linear	68.0 $\mu\text{m}/\text{m}\cdot\text{°C}$	37.8 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Glass Transition Temp, Tg	88.0 °C	190 °F	Ultimate Tg; TMA
Shrinkage	0.30 %	0.30 %	Linear, UV only
	1.3 %	1.3 %	Linear, UV plus heat

Processing Properties	Metric	English	Comments
Cure Time	0.167 - 0.500 min	0.00278 - 0.00833 hour	350-380nm

Descriptive Properties	Value	Comments
Color	Transparent	

## Contact Songhan Plastic Technology Co.,Ltd.

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