

## Resin Technology Group TIGA 159 LV-UV Low Viscosity, Quick Gel UV Initiated, Flexible Epoxy Adhesive

Category : Polymer , Adhesive , Thermoset , Epoxy , Epoxy Adhesive

### Material Notes:

Mix ratio 2 to 1 by volume. TIGA 159 LV-UV hybrid epoxy system is a low viscosity adhesive designed for small potting applications, bonding, laminating, sealing and structural repair applications where outstanding shock and peel resistance are required. TIGA 159 LV-UV can be gelled to a tack free, non-flow state with a few seconds of exposure to moderate UV light and then fully cured at room temperature or rapidly at elevated temperatures. The fully cured system develops strong, tough, high performance bonds to metals, ceramics, phenolics, polyesters, epoxies, urethanes and many other plastics. It is a durable, electrically insulating adhesive which provides good resistance to gases, vapors, petroleum solvents, fuels, salt solutions, mild acids and alkalis. Information provided by Resin Technology Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resin-Technology-Group-TIGA-159-LV-UV-Low-Viscosity-Quick-Gel-UV-Initiated-Flexible-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-TIGA-159-LV-UV-Low-Viscosity-Quick-Gel-UV-Initiated-Flexible-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.27 g/cc	1.27 g/cc	
Viscosity	2000 cP	2000 cP	Of resin
	@Temperature 25.0 °C	@Temperature 77.0 °F	
	7500 cP	7500 cP	Of hardener
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	
Flexural Strength	37.9 MPa	5500 psi	
Adhesive Bond Strength	22.1 MPa	3200 psi	Al/Al
Izod Impact, Notched	2.14 J/cm	4.00 ft-lb/in	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	121 °C	250 °F	

Electrical Properties	Metric	English	Comments
Dielectric Strength	16.1 kV/mm	410 kV/in	
Dissipation Factor	0.038	0.038	
	@Frequency 100000 Hz	@Frequency 100000 Hz	

Processing Properties	Metric	English	Comments
Pot Life	120 - 180 min	120 - 180 min	100 gm mass
	@Temperature 25.0 °C	@Temperature 77.0 °F	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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