

## Resin Technology Group CT-523LV Cationic UV Cure Epoxy Adhesive

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

### Material Notes:

CT-523-LV is an epoxy-based, low viscosity, cationic-curable adhesive and/or sealant. This product is activated by exposure to medium intensity UV radiation resulting in a high strength, chemical resistant, low outgassing polymer system capable of surviving exposure up to 200°C. Applications: Disk drive engineering products, non-acrylic UV bonding. No out gassing concerns. Use as conformal coat and/or wire tack. Opto-Electronic, Fillet-tacking and staking. Processing: UV light cure: Intensity of 200 mw/cm<sup>2</sup>; Spectral output of 300 to 500 nanometers; Optimum wavelength of 375 nanometers Recommended Aurora UV light sources: Aurora 455-S 5x5 High Intensity Flood Aurora 461-S 1x6 High Intensity Beam Aurora 100-S Spot Light Guide Information provided by Resin Technology Group.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Resin-Technology-Group-CT-523LV-Cationic-UV-Cure-Epoxy-Adhesive.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-CT-523LV-Cationic-UV-Cure-Epoxy-Adhesive.php)

Physical Properties	Metric	English	Comments
Viscosity	3300 cP @Temperature 25.0 °C	3300 cP @Temperature 77.0 °F	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	Cured
Tensile Strength at Break	>= 34.5 MPa	>= 5000 psi	Cured
Shear Strength	15.2 MPa	2200 psi	Cured, lap

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	160 °C	320 °F	Cured
Minimum Service Temperature, Air	-50.0 °C	-58.0 °F	Cured
Flash Point	>= 93.3 °C	>= 200 °F	Uncured

Optical Properties	Metric	English	Comments
Transmission, Visible	80 %	80 %	Mfr. Specifies clear but does not quantify

Electrical Properties	Metric	English	Comments
Dielectric Strength	>= 15.7 kV/mm	>= 400 kV/in	Cured

Descriptive Properties	Value	Comments
Color	Clear	

Composition Descriptive Properties	Key Value	Comments
Moisture Resistance	Excellent	Cured
Toxicity	Low	

## Contact Songhan Plastic Technology Co.,Ltd.

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