

Resin Technology Group UV-403 High Clarity, Structural Polycarbonate and PVC Bonder

Category : Polymer , Adhesive , Thermoset

Material Notes:

UV 403 is a very fast UV curing adhesive developed for bonding a variety of plastics. Bond strengths on polycarbonate and rigid PVC usually exceed the strength of those substrates. Bond lines are clear, colorless and exhibit low shrinkage during the cure process. UV 403 forms excellent bonds to most metals and glass surfaces for dissimilar applications. Applications: Lens bonding, back-filling electro-opto devices, potting LED's, medical devices, costume jewelry. Processing: UV light cure: Intensity of 200 mw/cm²; 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-UV-403-High-Clarity-Structural-Polycarbonate-and-PVC-Bonder.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.02 - 1.08 g/cc	1.02 - 1.08 g/cc	Uncured
Water Absorption	1.0 %	1.0 %	Cured
Viscosity	1000 cP @Temperature 25.0 °C	1000 cP @Temperature 77.0 °F	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	Cured
Tensile Strength at Break	41.4 MPa	6000 psi	Cured
Elongation at Break	12 %	12 %	Cured

Thermal Properties	Metric	English	Comments
CTE, linear	77.0 μm/m-°C @Temperature 20.0 °C	42.8 μin/in-°F @Temperature 68.0 °F	Cured
Maximum Service Temperature, Air	120 °C	248 °F	Cured
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	Cured
Flash Point	>= 93.3 °C	>= 200 °F	Uncured
Shrinkage	1.7 %	1.7 %	Upon cure

Optical Properties	Metric	English	Comments
			Mfr. Specifies clear but does not

Transmission Visible Optical Properties	80 % Metric	80 % English	quantify Comments
Descriptive Properties	Value		Comments
Color	Clear		
Composition	Urethane Acrylate		
Solubility	Alcohol, Chlorinated solvents		
Toxicity	Low		

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