

Resin Technology Group UV-406 High Clarity, Moisture Resistant, UV Curing Bonder

Category : Polymer , Adhesive , Thermoset

Material Notes:

UV 406 is a rapidly curing UV adhesive developed for use in bonding a variety of plastics, glass and metals, where moisture resistance and low shrinkage during cure is critical. Bond strengths on polycarbonate and rigid and flexible PVC usually exceed the strength of those substrates. UV 406 has excellent wetting capabilities. Bond lines are clear and colorless. Applications: Decal plates, Fiberoptic bonding, Globtop coating, Glass assembly, Head lamps, Micro-Electronic encapsulation. 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-406-High-Clarity-Moisture-Resistant-UV-Curing-Bonder.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.04 g/cc	1.04 g/cc	Uncured
Water Absorption	1.0 %	1.0 %	Cured
Viscosity	60 - 100 cP @Temperature 25.0 °C	60 - 100 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
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

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

Electrical Properties	Metric	English	Comments
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Dielectric Strength Electrical Properties	29.5 kV/mm Metric	750 kV/in English	Cured Comments
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Descriptive Properties	Value	Comments
Color	Clear	
Composition	Urethane Oligomer/ (Meth) Acrylate Monomer Blend	
Solubility	Alcohol, Chlorinated solvents	
Toxicity	Low	

Contact Songhan Plastic Technology Co.,Ltd.

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