

## Resin Technology Group UV-412 Medium Viscosity, High Clarity, UV Curable Adhesive

Category : Polymer , Adhesive , Thermoset

### Material Notes:

UV 412 is a high clarity, fast setting UV adhesive. This solvent free adhesive is designed to bond a wide variety of transparent materials, (similar and dissimilar substrates). The high clarity provides an invisible bondline. UV 412 performs well in many glass coating and encapsulation applications and has outstanding moisture resistance. Applications: Glass to metal, Lens bonding, Glass repair, Fiber optic bonding, Medical devices, Window assembly. 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-UV-412-Medium-Viscosity-High-Clarity-UV-Curable-Adhesive.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-UV-412-Medium-Viscosity-High-Clarity-UV-Curable-Adhesive.php)

Physical Properties	Metric	English	Comments
Water Absorption	0.80 %	0.80 %	Cured
Viscosity	4200 - 5800 cP @Temperature 25.0 °C	4200 - 5800 cP @Temperature 77.0 °F	Uncured
Thickness	<= 12700 microns	<= 500 mil	Cured film

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	85	85	Cured
Tensile Strength at Break	46.9 MPa	6800 psi	Cured
Elongation at Break	22 %	22 %	Cured

Thermal Properties	Metric	English	Comments
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
Surface Resistance	1.20e+15 ohm	1.20e+15 ohm	Cured
Dielectric Strength	16.5 kV/mm	420 kV/in	Cured

Descriptive Properties	Value	Comments
Color	Clear	
Composition	Urethane Oligomer/ (Meth) Acrylate Monomer Blend	
Solubility	Isopropyl Alcohol, Chlorinated solvents	
Toxicity	Low	

## Contact Songhan Plastic Technology Co.,Ltd.

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