

Resin Technology Group UV-422 Flexible, UV Curing Sealant

Category : Polymer , Adhesive , Thermoset

Material Notes:

UV 422 is a semi-flexible, UV curing adhesive that can be used in a wide variety of potting, sealing, tacking and bonding applications. High strength bonds are formed to PVC and polycarbonate substrates and a wide variety of other substrates such as metals, epoxy-board, glass and other plastics in sealing and tacking applications. UV 422 forms shock absorbing bonds. Uses include flexible coatings and encapsulation. Applications: Transducer mountings, Switch potting, Connector sealing, Automotive components, Wire tacking. 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

Guideline information provided by Resin Technology Group.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Resin-Technology-Group-UV-422-Flexible-UV-Curing-Sealant.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	Uncured
	1.15 g/cc	1.15 g/cc	Of cured material
Water Absorption	0.43 %	0.43 %	Cured
Viscosity	3000 - 4000 cP	3000 - 4000 cP	Uncured
	@Temperature 25.0 °C	@Temperature 77.0 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65 - 70	65 - 70	Cured
Tensile Strength at Break	11.7 MPa	1700 psi	Cured
Elongation at Break	250 %	250 %	Cured

Thermal Properties	Metric	English	Comments
CTE, linear	110 µm/m-°C	61.1 µin/in-°F	Cured
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Maximum Service Temperature, Air	177 °C	351 °F	Cured
Minimum Service Temperature, Air	-54.0 °C	-65.2 °F	Cured
Flash Point	>= 93.3 °C	>= 200 °F	Uncured
Shrinkage	6.8 %	6.8 %	Upon cure, by volume

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

Contact Songhan Plastic Technology Co.,Ltd.

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