

Resin Technology Group DP031199-1 Cationic UV Cure Epoxy Adhesive

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

Material Notes:

DP031199-1 is an epoxy-based, low-viscosity, cationic-curable adhesive/sealant. This product is activated by exposure to medium intensity UV radiation resulting in a strong, chemically resistant, low out-gassing polymer system. This UV curable adhesive is soft and flexible and cures tack free. Developmental Product: This data was generated on laboratory material and should not be used for specification purposes. The Developmental Product name and designation may change upon commercialization. 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-DP031199-1-Cationic-UV-Cure-Epoxy-Adhesive.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.07 g/cc	1.07 g/cc	Uncured
Viscosity	1500 cP @Temperature 25.0 °C	1500 cP @Temperature 77.0 °F	Uncured

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	50	50	Cured
Elongation at Break	8.0 %	8.0 %	Cured
Shear Strength	41.4 MPa	6000 psi	Cured, tensile

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

Descriptive Properties	Value	Comments
Color	Clear	
Composition	Epoxy	

Descriptive Properties

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Comments

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