

## Resin Technology Group UV CC-2004 Multi-Functional, UV Curing, Conformal-Coating

Category : Polymer , Adhesive , Thermoset

### Material Notes:

Multi-functional UV-CC 2004 is a single component, solvent-less conformal-coating specifically formulated for rapid room temperature cure when exposed to UV light. Thin layer coatings cure almost instantly to a depth of 7 mils. UV-CC 2004 exhibits excellent adhesion to a variety of metals, ceramics and glass filled epoxy surfaces and is designed to meet the most demanding environmental needs of today's PCB marketplace. This low viscosity coating can be cured by exposure to UV light and secondarily with heat for shadowed areas on densely populated circuit boards. UV-CC 2004 passes the "on-part" UL-94-V test. Processing: UV light cure: Bondline thickness of 7 mils; Exposure time of 5 seconds. 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-CC-2004-Multi-Functional-UV-Curing-Conformal-Coating.php](http://www.lookpolymers.com/polymer_Resin-Technology-Group-UV-CC-2004-Multi-Functional-UV-Curing-Conformal-Coating.php)

Physical Properties	Metric	English	Comments
Specific Gravity	1.06 g/cc	1.06 g/cc	
Water Absorption	0.080 %	0.080 %	
Viscosity	500 cP	500 cP	Nominal

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	
Elongation at Break	10 %	10 %	

Thermal Properties	Metric	English	Comments
CTE, linear	69.0 $\mu\text{m}/\text{m}\cdot^\circ\text{C}$	38.3 $\mu\text{in}/\text{in}\cdot^\circ\text{F}$	
	@Temperature 20.0 $^\circ\text{C}$	@Temperature 68.0 $^\circ\text{F}$	

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

Electrical Properties	Metric	English	Comments
Volume Resistivity	3.50e+13 ohm-cm	3.50e+13 ohm-cm	
Surface Resistance	3.70e+14 ohm	3.70e+14 ohm	
	3.5	3.5	

Dielectric Constant Electrical Properties	@Frequency 2.00e+9 Metric Hz	@Frequency 2.00e+9 English Hz	Comments
Dielectric Strength	66.9 kV/mm	1700 kV/in	
Dissipation Factor	0.030	0.030	
	@Frequency 1e+6 Hz	@Frequency 1e+6 Hz	

Descriptive Properties	Value	Comments
Color	Clear Liquid	
Cross Hatch Adhesion	1	Copper
	100%	G-10

## Contact Songhan Plastic Technology Co.,Ltd.

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