

Revised
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TECHNICAL DATA SHEETS

MP 53344

Description:

MP 53344 is a low viscosity acrylic based polymer adhesive designed for plastic bonding applications. This product cures rapidly when exposed to mid range UV light resulting in a tough, high peel, and impact strength polymer that bonds well to most substrates.

Application:

Lens bonding, Back-filling electro-opto devices, Potting LED's, Medical devices, Costume jewelry.

Storage:

Store below 25°C out of sunlight and in original unopened containers. Refer to packaging specific quote for shelf life information.

Physical Properties:

Uncured Properties:

Composition:	Modified Acrylic Resin
Viscosity @ 25°C, cps:	1500
Color:	Clear
Flash Point, °F:	>200
Solubility:	Alcohol, Chlorinated Solvents
Toxicity:	Low

Cured Properties:

Hardness, Shore D:	85
Tensile Shear Strength, psi:	1,200
Peel Shear Strength, pli:	>10
Elongation, %:	8
Adhesion:	Excellent
Moisture Resistance:	Excellent
Dielectric Strength, Volts/Mil:	400
Operating Temperature Range, °C:	-50 to 110

UV Light Cure Data:

Intensity:	200mw/cm2
Spectral Output:	300 to 500 Nanometers
Optimum Wavelength:	375 Nanometers

Bondline Exposure

Thickness (inches): Time:

.005	1 to 2 Seconds
.010	5 Seconds
.125	15 Seconds
.250	60 Seconds

Recommended Aurora

UV Light Sources:

Aurora 455-S	5 x 5 High Intensity Flood
Aurora 461-S	1 x 6 High intensity Beam
Aurora 100 -S	Spot Light Guide

Engineering Excellence

For technical information
and support call **1-800-552-0299** or visit our website at

www.instantca.com