



1260 Birchwood Drive, Sunnyvale, CA 94089

Telephone (408) 734-4402 Fax (408) 734-4502

www.uvexs.com

# 560 SERIES

*UV Curable Adhesives*

## DESCRIPTION

UV curable adhesive series for polycarbonate, PVC, ABS, styrene and acrylic materials. Fully cures in seconds when exposed to high intensity ultraviolet energy with excellent bond strengths for attachment or laminating applications. The single component formulations have a very low viscosity specifically designed for replacing solvents in tight tolerance plastic welds. Excellent performance characteristics including: high bond strength, autoclavability and good electrical resistance. Optional formulas are available which allow curing through plastics with UV inhibitors.

Standard Product: 561C

Products for plastics  
with UV inhibitors: 560B  
561B

## CURE SCHEDULE

Expose to a medium pressure mercury vapor type lamp operating at a minimum of 200 watts per inch input power.

Dwell: To maximize performance allow a 10-20 second dwell period after adhesive application but before UV cure.

Intensity: 40 mW/cm<sup>2</sup> @ 254 nm  
150 mW/cm<sup>2</sup> @ 365 nm

Exposure: typically <15 seconds,  
depends on application

## UNCURED PROPERTIES

Base Resin: Acrylic

Components: One (1) part

Percent Solids: p/n 560: 85%  
p/n 561: 100%

Specific Gravity: 1.1

Viscosity: 15 cps @ 20°C

Flash Point: p/n 560: >150°F  
p/n 561: >200°F

Color: Clear, straw tint

## CURED PROPERTIES

Hardness: 70 (shore D)

Elongation: 3%

Tensile: 2000 psi (peak)

## STORAGE AND HANDLING

Shelf Life is warranted for a minimum of 6 months from date of shipment when stored in darkness at 50°-80°F. Avoid contact with skin and eyes as directed on the MSDS.