

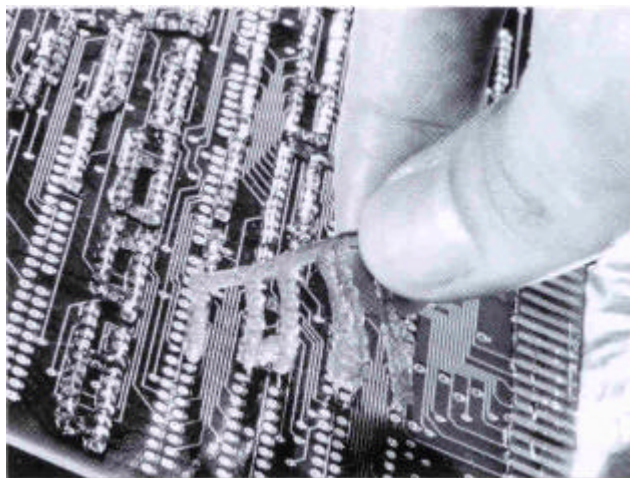
**UVEXS Incorporated**

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The brightest ideas in UV curing

661 SERIES

Peelable UV Cure Masking

**DESCRIPTION**

The 661 Series peelable masking products are solvent free, highly elastic polymers formulated to resist cleaning, soldering and conformal coating processes. Once cured, the polymer may be easily removed from surfaces or cavities leaving no residue or debris. The masking products have single part formulas that cure rapidly under high intensity UV energy, and are available in a range of viscosities from self-leveling to thixotropic gel. Ideal for replacing latex and tape as a mask in wave solder or conformal coating applications. Remains flexible through wave and vapor phase soldering cycles and is fully resistant to aqueous PCB cleaning environments.

Syringe / cartridge dispense: 661B, red tint
 Pressure pot dispense: 661P, red tint

CURE SCHEDULE

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

Minimum intensities*: 45 mW/cm² @ 254 nm
 150 mW/cm² @ 365 nm
 Exposure: <6 seconds, depends on thickness of application.

* Using UVEXS Model PM 600 radiometer (narrow band width)

UNCURED PROPERTIES

Base resin: urethane
 Solids: 100%, no solvents
 Components: one
 Color: red tint, transparent

Flash point: >200°F
 Specific gravity: 1.1
 Viscosity by product:
 661C 7500 cps
 661P 23000 cps, thixotropic
 661T 47000 cps, thixotropic
 661F thixotropic gel*
 661B thixotropic gel*

*68000 cps @ 21°C Brookfield LVF with #5 spindle

CURED PROPERTIES

Hardness: 37 (shore D)
 Tensile: 250 psi
 Elongation: 100%
 Temperature resistance: 550°F for 30 seconds with no detergent
 Moisture resistance: Passes aqueous and semi-aqueous cleaning process conditions

APPLICATION

661 masking products are packaged in 30cc, 6oz and 11oz cartridges, as well as quart and gallon containers. Cartridges may be used with manual and automated pneumatic dispensing systems. Recommended application thickness is 30 to 60 mils.

STORAGE

Shelf life is warranted for a minimum of 6 months from date of shipment when stored in darkness at 50-80°F, in its original container.

HANDLING

Avoid contact with skin and eyes as directed on the MSDS. Gloves are recommended if applying the material manually. Adequate ventilation should be incorporated to draw vapors away from personnel. In case of skin contact wash thoroughly with soap and water. Clean uncured material from work surfaces and dispensing equipment with standard solvents (IPA, MEK or acetone)

The information in this data sheet is made available to assist the user in determining possible applications for UVEXS products. The final determination of the suitability of a product for a particular use is the sole responsibility of the user. To the best of our knowledge this data sheet is accurate, however, UVEXS assumes no liability for the accuracy of this information.