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UV Curable Adhesive

PC 7020

TECHNICAL DATA SHEET 861

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DESCRIPTION

PC7020 is a 100% solids, UV light curable product. Its novel formulation makes the product particularly useful for adhering many difficult to bond materials used for electronic and medical device assembly.

PRODUCT FEATURES

- Fast Cure with UV light exposure
- Flowable Viscosity
- Excellent versatile adhesion
- Very tough, elastomeric cure
- Curable in thick sections

TYPICAL UNCURED PROPERTIES

Color Clear and Colorless
Viscosity 200 cps
Specific Gravity 1.07

TYPICAL CURED PROPERTIES

Durometer 60A
Tensile Strength 750 psi
Temperature Range of Use -50°C through 120°C
(under low stress conditions the product is acceptable for use through 140°C)
Cure Depth 6mm

APPLICATION

PC7020 is best applied through a 14-18 gauge tip onto the surface to be bonded or sealed. Sufficient product should be applied to provide full coverage to bond area.

PC7020 should be cured under UV light soon after application to avoid any precure from ambient lighting.

CURING

PC7020 is best cured using a high intensity UV light source. Peak reactivity is in the 320-370 nm range. Typically full cure is achieved by 5 seconds of exposure to a high intensity light source.

PC7020 has been developed to be used with a wide range of UV light curing equipment. Such as hi intensity mercury lamps, flood units, spot cure units and LED equipment.

Cure times will be based on factors such as:

- Intensity of the UV light source
- UV absorption of the substrate
- Distance of the light source to the product
- Thickness of the section to be cured

STORAGE AND HANDLING

Shipping Recommended temp. is room temperature
Storage Store at 25°C for up to 12 months
Safety Refer to MSDS for details

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