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TECHNICAL DATA SHEET 844

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UV Curable Encapsulant & Adhesive

PC 7010

DESCRIPTION

PC7010 is a flowable, 100% solids, UV light curable product. Its tough elastomeric properties make the product particularly useful for potting and bonding applications, which are subject to a wide temperature range of exposure.

PC7010 has very good adhesion to many engineering plastics used for electrical housings and switches.

PRODUCT FEATURES

- Fast Cure with UV light exposure
- Flowable Viscosity
- Excellent versatile adhesion
- Tough, Elastomeric Cure
- Curable in thick sections

TYPICAL PROPERTIES

Color	Light yellow, Clear and Colorless in thin sections
Viscosity	1200 cps
Specific Gravity	1.07

TYPICAL CURED PROPERTIES

Durometer	75A
Tg	45°C
Tensile Strength	1000 psi
Temperature Range of Use	-40°C through 125°C (under low stress conditions the product is acceptable for use through 140°C)
Cure Depth	6mm

APPLICATIONS

PC7010 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.

PC7010 should be cured under UV light soon after application to avoid any procure from ambient lighting

CURING

PC7010 is best cured using a high intensity UV light source. Peak reactivity is in the 350-380 nm range. Typically full cure is achieved by 5 seconds of exposure to a high intensity light source.

PC7010 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	Room temperature
Storage	Store at 25°C for up to 12 months
Safety	Refer to MSDS for details

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