



DATA SHEET U20050

DESCRIPTION:

Tacusil™ U20050 is photo-curing adhesive designed for the bonding of computer connector PVC/PET/PI and metal connector. The connector will not peel off and short-circuit when the connector is bending. Showing excellent hardness and surface drying, Tacusil™ U20050 will not bond hands or dust. Tacusil™ U20050 can fast-cure and is particularly suited for applications where high transparency, high speed curing and clear for encapsulating of electronic field.

FEATURES:

- Tacusil™ U20050 is suited for bonding of many plastics.
- Tacusil™ U20050 will not destroy by external force with high strength and fracture energy.
- Tacusil™ U20050 is also suited for application of encapsulating

TYPICAL PROPERTIES: All properties given are at 23 °C unless otherwise noted.

Property:	Value:	Unit:
Color /Appearance	Milk White Liquid	
Composition	Acrylic resin	
Viscosity 25 °C (S14, 10 rpm)	49,000±20	cps
Thixotropic Index	2	
Refractive Index n_D 27°C, RH53%	1.49	
Hardness 20°C, RH59%	86	Shore A
Glass Transition Temp.	5.25	°C
Water Absorption Ratio 24hr@25 °C	1.06	%
Tensile Strength (25°C),	79.59	Kg/cm ²

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CURE SCHEDULE:

Light hardness condition

With the ultraviolet ray light source of the PHILIPS HPA400 S wave-length 365 nm. Projecting light upon the energy accumulates to go to 1000~2000 mj/cm² of hardening under condition.

UV accumulates energy form: Virtuuous make Baier-UV/UV-RADCOL advanced.

Temporary curing time sec	5 ~ 10
Recommended curing time sec	10~ 15

STORAGE & SHELF-LIFE:

U20050 should be kept without any possibility of light exposure. Replace lid immediately after use.

FP984 has an eight months minimum shelf life when stored in dark place below 25oC in original, unopened containers.

CAUTION:

Some findings indicate a lack of potential for carcinogenicity with the compositions of U20050 by long term recurrent application to the skin. However, contact with skin is likely to produce mild transient reddening. It is important to remove adhesive from skin with soap and water thoroughly. U20050 is of moderate acute toxicity by swallowing. If swallowed, induce vomiting at once and call a physician. Avoid contact with eyes. In case of contact, flush with water for at least 15 minutes and get medical attention immediately. For specific information on this product, consult the Material Safety Data Sheet.

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