



PRODUCT DESCRIPTION

ELITE-T3048A is optic clear UV visible light cure adhesive (OCR) for bonding plastic-to-plastic and plastic-to-glass with non-yellowing. **ELITE-T3048A** use in optical industries such as touch panel, LCD, LED and optical lens.

FEATURE

- **High strength in PMMA, Polycarbonate, glass and some PET film.**
- **Optic transparent.**
- **Non yellowing after heat and UV exposure.**
- **Resist to thermal cycling.**
- **UV-Visible Cure**

PHYSICAL PROPERTIES

Appearance (Uncured)	Pale yellow
(Cured)	Transparent
Chemical base	Urethane acrylate
Specific Gravity [g/cm ³]	1.03 @ at 25°C
Flash Point (TCC)	>95 °C
Viscosity at 25°C (Brookfield RVT, #2 spindle, 12rpm)	500 cps (range 350~650cps)

CURE CONDITIONS

Data test based on glass to steel bonding using 100 mW/cm² medium pressure mercury UV light source:

Cure time :	7~10 sec.
Depth of cure [mm]	0.8 mm
Dry surface	Slight tacky

CURED PERFORMANCE

Tensile strength [psi] (ASTM D-1002)	2,450
Elongation at break [%](ASTM D638)	85%
Shore hardness	63D
Impact Resistance@steel	>20 ftlbs/in ²
Temperature range for use	-40 to +130 °C
Refractive Index	1.47
Coefficient of thermal expansion	110x10 ⁻⁶
Thermal conductivity [W/mK]	Approx. 0.2
Transmittance (% , 0.2mm)	99%

Dielectric Constant (1000Hz, 100°C): 3.37

STORAGE

T3048A is Light sensitive product. Should be stored in dry cool and dark area. Keep away from heat and light source to obtain maximum shelf life. Do not expose on sunlight directly. Improper storage may result in slow curing and possible thicken of adhesive.

Shelf Life : 6 months @ ambient temperature (5~28°C).

HEALTH AND SAFETY

IRRITANT: Product is for "Industrial use" which contains acrylic oligomer, monomers and photoinitiator. May cause sensitization dermatitis (skin rash) to allergic persons. Avoid contact with skin and eyes. In case of contact with the skin, wash immediately with plenty of water for at least 15 minutes, for eyes, get medical attention.

FIRST AID: In case of contact with the skin, wash immediately with plenty of water for at least 15 minutes, for eyes, get medical attention

See Safety Data Sheet for full details.



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