

UV cure for high strength bonds

6007 is a 100% solids, electrically isolating, heat curable UV acrylate, precision mixed, degassed, and frozen adhesive that is ideal for fiber optic applications. This material is free flowing and changes color from amber to red when cured. 6007 features a deep UV cure which will form high strength bonds to most substrates such as metals, ceramic, glass, and most plastics and will finish curing with the application of heat. This cure method is excellent when rapid de-fixturing is required. This adhesive passes the NASA outgassing requirements.

UNCURED	
Pot Life @ 25°C	18 hours
Viscosity @ 25°C	1,300 cPs
Color	Amber
Shelf Life	6 weeks @ -18°C 12 months @ -40°C
CURE OPTIONS	3 J/cm ² + 30 minutes @ 120°C 3 J/cm ² + 2 hours @ 96°C
CURED PROPERTIES	Based on cure of 3 J/cm ² + 30 minutes @ 120°C
Color	Red
Shore D Hardness	85
Glass Transition Temp (°C)	135
Density (g/cc)	1.1
Lap Shear 2024T3 Clad (psi)	2,300
THERMAL PROPERTIES	Based on cure of 3 J/cm ² + 30 minutes @ 120°C
Glass Transition Temp (°C)	135
OUTGASSING PROPERTIES	Based on cure of 3 J/cm ² + 30 minutes @ 120°C
TML (%)	0.38
CVCM (%)	0.01
WVR (%)	0.24

KEY FEATURES

Bonds Well To Most Substrates

Deep UV Cure

Free Flowing

Full Shadow Cure With Heat

Ideal For Fiber Optic Applications

Meets NASA Outgassing Requirements

Changes Color Once Cured

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