

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.

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| 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

Talk to an engineer:

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