



Epoxy for OPTICAL Applications

Manufactured by HB Fuller to FH-5313A specifications. A two part 100% solid, room temperature curing, optical grade, epoxy adhesive that has proven to be an excellent bonding agent for many optical applications. This system is designed for continuous operation at high temperatures up to 200°F and is available in premeasured kits.

BENEFITS

- Low outgassing
- High transmission
- Space qualified
- Excellent chemical resistance
- High mechanical strength
- Thermally stable
- Slow curing, low viscosity
- Meets GE Specification M-2820-CR

APPLICATIONS

- Space borne systems
- Prism assemblies
- Precision optical alignment
- Image quality optical assemblies

COMMON USES

- Ideal for bonding many optical substrates
- Potting and encapsulation

REFRACTIVE INDEX

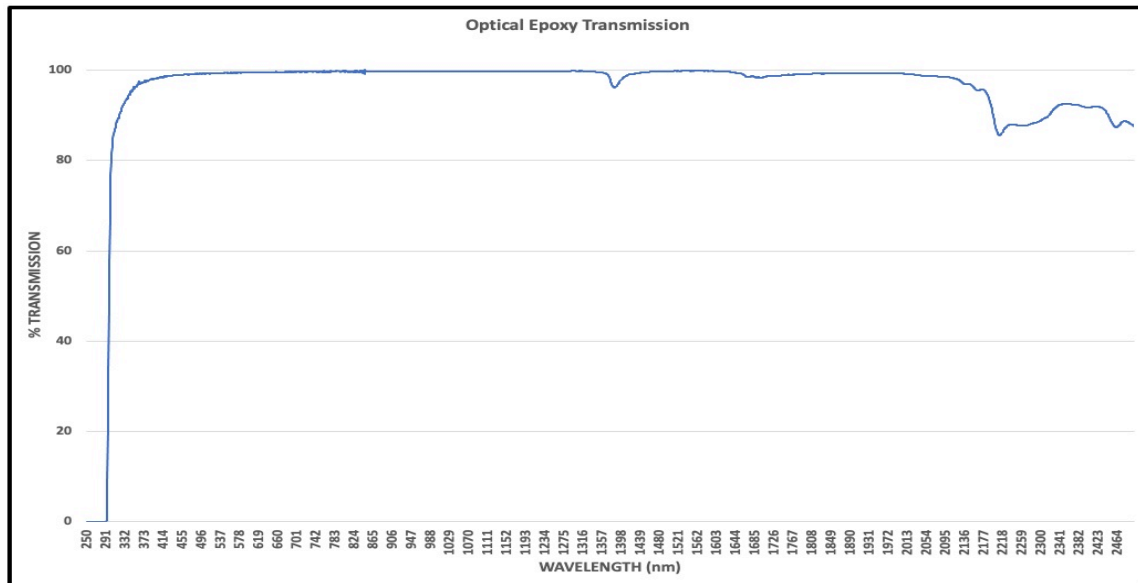
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MIX GUIDELINES (not applicable to A=PAKs)

- Heat epoxy resin at 100°C for 15 minutes
Remove epoxy from heat and mix the two components together using a ratio of 10 parts epoxy resin to 1 part hardener
- Cure the epoxy
 - 23°C. (room temp): 48 hr. cure time
 - 50°C exposure: 5 hr. cure time

SHELF LIFE

- 1-year shelf life stored at room temperature
- 5-year shelf life when stored at 12°C



AVAILABLE IN KITS (supplied with optical hardener and eye droppers)

- 128 oz. resin and 16 oz. optical hardener (FH-5313A-KIT-128-O)
- 64 oz. resin and 8 oz. optical hardener (FH-5313A-KIT-64-O)
- 16 oz. resin and 2 oz. optical hardener (FH-5313A-KIT-16-O)
- 6-gram pre-packaged A-PAKs (FH-5313A-A-PAK-O)