

RT157



Optical Clear Fast Curing Epoxy Adhesive

Description

RT157 is excellent for bonding and potting optical components, where clarity is important.

Benefits

- Sets in minutes at room temperature
- Reaches handling strength in 30 minutes
- Optically clear
- High surface energy. Readily wets and wicks between fibres
- Good adhesion to glass fibres as well as metals, ceramics and many plastics
- Good impact and thermal shock resistance
- Excellent for bonding and potting optical components such as prisms, LED's and fibres
- Available in 50ml DuoSyringe cartridge

Typical Properties

Mix ratio:	100 parts hardener to 100 parts resin
Mixed viscosity:	5 – 10 Pa.s (5000 – 10000 cPs)
Work life:	5 minutes @ 23°C (2g)
Cure Time vs. Temperature:	2 hours @ 23°C 10 minutes @ 65°C

Optimum Properties (cured for 24 hours at 23°C)

Thermal Expansion	55×10^{-6} cm/cm/°C
Shrinkage on Cure	3%
Density:	1.20
Hardness:	70 D
Refractive Index	1.54
Operating Temperature:	-60 to 125°C
Lap Shear – Al/Al	8 MPa (@ 23°C)

Related Products

- The Resintech fibre optic adhesive range, including RT153FC high temperature adhesive

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