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## TECHNICAL DATA SHEET

### RT155 Fast Curing Epoxy Adhesive

#### Description

RT155 is excellent for bonding and potting fibre optic components, without the use of heat

#### Benefits

- Sets in minutes at room temperature
- Hard enough to polish after 30 minutes
- 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 on site pot and polish connections
- Standard colour is clear
- Available in 25ml DuoSyringe cartridge.

#### Typical Properties

Mix ratio: 100 parts hardener to 100 parts resin  
Mixed viscosity: 10– 15 Pa.s (10000 – 15000 cPs)  
Work life: 3 minutes @ 23°C (2g)

#### Cure Time @ 23°C vs. Shore D Hardness

5 minutes	25
30 minutes	50
60 minutes	70

#### Optimum Properties - cured for 60 mins @ 23°C

Thermal Expansion	$55 \times 10^{-6}$ cm/cm/°C
Density:	1.20
Hardness:	70 D
Operating Temperature:	-60 to 125°C
Lap Shear – Al/Al	8 MPa (@ 23°C)

#### Related Products

- RT153 high temperature epoxy adhesive
- RT154 thermally resistant epoxy adhesive
- RT156 medium temperature curing epoxy adhesive
- RT157 optically clear fast curing epoxy adhesive

June 2002

Issue 5

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