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## TECHNICAL DATA SHEET

### RT156 Medium Temperature Curing Epoxy Adhesive

#### Description

RT156 is excellent for bonding and potting fibre optic components, using moderate cure temperatures

#### Benefits

- Acceptable cure speed at 75°C
- High surface energy and low viscosity. Readily wets and wicks between optical fibres
- Excellent adhesion to glass fibres as well as metals, ceramics and many plastics
- Good impact and thermal shock resistance
- Excellent moisture and chemical resistance
- Low heat build up on cure gives lower stresses
- Standard colour is blue. Clear available to special order
- Available in 2g and 4g TwinPack sachets.

#### Typical Properties

Mix ratio:	25 parts hardener to 100 parts resin
Mixed viscosity:	0.5 – 1.5 Pa.s (500 – 1500 cPs)
Work life:	2 hours @ 23°C (4g in syringe)
Surface Tension:	42 - 44 mN/m
Curing Schedule:	25°C for 24 hours 75°C for 20 minutes 100°C for 5 minutes

#### Optimum Properties - cured for 5 mins @ 100°C

Glass Transition	105°C
Thermal Expansion	$55 \times 10^{-6}$ cm/cm/°C
Refractive Index:	1.55
Density:	1.10
Hardness:	85 D
Operating Temperature:	-60 to 200°C
Lap Shear – Al/Al	11 MPa (@ 23°C)

#### Related Products

- RT153 high temperature epoxy adhesive
- RT154 thermally resistant epoxy adhesive
- RT155 fast room temperature curing epoxy adhesive
- RT157 optically clear fast curing epoxy adhesive

MAY 2002

ISSUE 7

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