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TECHNICAL DATA SHEET

RT153FC High Temperature Epoxy Adhesive

Description

RT153FC is a fast cure version of the industry standard adhesive for “pot and polish” fibre optic connections.

Benefits

- Glass transition temperature greater than 100°C, giving outstanding temperature performance
- 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
- Outstanding impact and thermal shock resistance
- Colour change on cure from straw through amber to red
- Excellent moisture and chemical resistance
- Available in 4g TwinPack sachets, and 550g bulk packs.

Typical Properties

Mix ratio:	1 part hardener to 8 parts resin
Mixed viscosity:	1 – 3 Pa.s (1000 – 3000 cPs)
Work life:	4 hours @ 23 °C (4g in syringe)
Surface Tension:	42 - 44 mN/m
Curing Schedule:	85 °C for 15 minutes 105 °C for 5 minutes 125 °C for 2 minute

Optimum Properties - cured for 5 mins @ 105 °C

Glass Transition:	>100 °C
Refractive Index:	1.55
Density:	1.15
Hardness:	85 D
Modulus:	1 Gpa
Operating Temperature:	-60 to 200 °C
Lap Shear – Al/Al	11 MPa (@ 23 °C)

Related Products

- RT154 thermally resistant epoxy adhesive
- RT155 fast room temperature curing epoxy adhesive
- RT156 medium temperature curing epoxy adhesive
- RT157 optically clear fast curing epoxy adhesive

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