

Technical Data

RT153F

High Temperature Epoxy Adhesive

Description

RT153F is the industry standard adhesive for "pot and polish" fibre optic connections.

Benefits

- Glass transition temperature 100°C, giving good 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 bulk packs

Typical Properties

Mix ratio by weight:	1 part hardener to 8 parts resin
Mixed viscosity at 23°C:	0.5 – 3 Pa-s
Work life:	3½ - 4 hours at 23°C (4g in syringe)
Surface Tension:	42 - 44 mN/m
Curing Schedule:	80°C for 45 minutes 100°C for 6 minutes 120°C for 2 minutes

Optimum Performance (*cured for 2 minutes at 120°C*)

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

Colour

Dependent on cure

Related Products

- The Resintech fibre optic adhesive range

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