



EPOXY RESINS

ResinTech



RT153F High Temperature Epoxy Adhesive

- 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

RT156 Medium Temperature Curing Epoxy Adhesive

- 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.
- Available in 2g and 4g TwinPack sachets.

RT153F High Temperature Epoxy Adhesive

Mix ratio:	1 part hardener to 8 parts resin
Mixed viscosity:	1 – 3 Pa.s (1000 – 3000 cPs)
Work life:	3½ - 4 hours @ 23°C (4g in syringe)
Surface Tension:	42 - 44 mN/m
Curing Schedule:	85 °C for 45 minutes 100 °C for 6 minutes 120 °C for 2 minutes

Optimum Properties - cured 2mins @ 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 (@ 23°C)

RT156 Medium Temperature Epoxy Adhesive

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 5mins @ 120°C

Glass Transition:	105°C
Refractive Index:	55 x 10 ⁻⁶ cm/cm/°C
Density:	1.55
Hardness:	1.1
Modulus:	85 D
Operating Temperature:	-60°C to 200°C
Lap Shear – Al/Al	11 MPa (@ 23°C)

