

Technical Data

RT151

Low Viscosity Epoxy Resin System

Description

RT151 is an optically clear, very low viscosity epoxy resin system.

Benefits

- Water white and optically clear
- Has a 1 hour working life after mixing
- High surface energy and readily wets and wicks between surfaces
- Low viscosity - reduces air entrapment
- Good impact and thermal shock resistance
- Available in easy-to-use TwinPacks or bulk

Typical Properties

Mix ratio by weight: 1 part hardener to 4 parts resin

Curing (*25g mass*)

Work life at 23°C: 1 hour
Cure time at 23°C: 16 - 24 hours
Cure time at 65°C: 1 hour

Typical Performance (*measurements at 23°C*)

Mixed viscosity at 23°C: 0.1 - 0.3 Pa-s
Density: 1.1
Shore Hardness: 81D
Operating temperature: -60°C to 200°C
Optical transmission: >97%

Colour

Clear

Safety considerations

- 50g maximum recommended cure quantity
- Do not cure more than 100g at a time as peak exotherm will reach >160°C

Related products

- RT152 low viscosity epoxy resin system
- The Resintech potting and fibre optic adhesive range

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