

Technical Data

RT154TH

Thixotropic Thermally Resistant Epoxy Adhesive

Description

RT154TH provides outstanding thermal resistance and low shrinkage in fibre optic applications.

Benefits

- Will withstand high temperature steam autoclaving and operate for short periods at 350°C
- Excellent adhesion to glass fibres as well as metals, ceramics and many plastics
- Outstanding impact and thermal shock resistance
- Can be gelled prior to full cure
- Low shrinkage on cure, reducing internal stresses in multiple fibre assemblies
- Excellent sealing with very high moisture and chemical resistance, and low out gassing
- Very long work life after mixing
- Supplied in DuoSyringe for easy application
- Standard size is 50ml, with associated mixing nozzles and dispenser guns

Typical Properties

Mixed viscosity at 23°C:	20.0 - 23.0 Pa-s
Work life:	12 hours at 23°C (4g in syringe)
Curing schedule:	Gel at 80°C for 2 hours (optional) 135°C for 30 minutes 150°C for 15 minutes

Optimum Properties (*cured for 15 minutes at 150°C*)

Glass Transition:	>150°C
Density:	1.25
Hardness:	92 D
Modulus:	2 Gpa
Operating Temperature:	-60 to 250°C
Shrinkage on Cure:	<3.5%
Thermal Expansion:	55 x 10 ⁻⁶ cm/cm/°C
Lap Shear -Al/Al:	11 MPa

Related Products

- RT154THX25 (High viscosity version of RT154TH)
- RT154 (Unfilled, low viscosity version of RT154TH)
- The Resintech fibre optic adhesive range, including RT153F high temperature adhesive

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