Resintech Limited
Unit 1-2, Horcott Industrial Estate
Fairford, Gloucestershire, GL7 4BX, UK
www.resintech.co.uk
info@resintech.co.uk
+44 (0)1285755 712755

Technical Data Sheet

RT323

High Temperature Epoxy Resin System

Description

RT323 is a clear low viscosity epoxy resin system with excellent high temperature performance.

Benefits

- Long pot life for ease of use
- Low viscosity giving excellent potting of intricate components
- High speed cure at elevated temperatures
- Outstanding temperature and chemical resistance
- Available in easy-to-use TwinPacks or bulk kits

Typical Properties

Mix Ratio by Weight:	10 parts A (Resin) to 1 part B (Curing agent)
Mixed Viscosity:	2.0 - 3.0 Pa-s
Density:	1.15
* Peak Exotherm at 23°C:	No significant exotherm (<100g)
Operating Temperature:	-50°C to 200°C
Solvent Resistance:	Excellent

Curing

Work life at 23°C (15g):	4 hours
Cure Time at 23°C (15g):	3 hours
Cure Time at 60°C (15g):	30 minutes
Cure Time at 80°C (15g):	10 minutes
Cure Time at 120°C (15g):	4 minutes

Typical properties *(cured for 10 minutes at 100°C measurements taken at ambient temperature)*

* Shore Hardness:	>85 D
Glass Transition:	C. 140°C
Lap Shear (300mm^2 Al / Al):	5 kN / 16.65 MPa / 2414 Psi (minimum)
Lap Shear (300mm^2 Al / Al):	>6 kN / >20 MPa / >2900 Psi (typical)

Colour

Red

Storage and Shelf Life

Store under normal conditions of 15°C to 30°C in the original, unopened packaging, out of direct sunlight. Use within one year from the date of manufacture.

Related Products

- The Resintech range of potting epoxies

Resintech Limited warrants that the typical properties where stated are to be considered as representative of the named product and should not be treated as specifications. * denotes test on batch acceptance basis. While the information presented is believed to be true and reliable different batches, conditions and applications yield differing results. As a result, the customer is solely responsible for evaluating the product and determining its suitability for their intended use. Resintech Limited cannot accept any responsibility for loss or damage that may result from improper application.