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

RT310

Low Viscosity Epoxy Resin System

Description

RT310 is a clear low viscosity epoxy resin system that will cure in thick sections at room temperature.

Benefits

- Has a degree of flexibility which reduces internal stresses
- Cures with low heat build up so will not damage delicate components (<250g)
- Excellent clarity
- Low viscosity - reduces air entrapment
- High gloss finish even when cured under high humidity
- Available in a variety of colours for various potting applications
- Available in easy-to-use TwinPacks or bulk

Typical Properties

Mix ratio by weight:	2 parts A (Resin) to 1 part B (Curing agent)
* Mixed viscosity:	1.0 - 2.0 Pa-s
Density:	1.15
Peak Exotherm:	69°C (250g, more details on page 2)
Operating Temperature:	-55°C to 115°C

Curing *(250g mass)*

Work life at 23°C:	75 minutes
Time to full cure at 23°C:	24 hours
Time to full cure at 60°C:	4 hours

Typical properties *(cured for 4 hours at 60°C measurements taken at ambient temperature)*

* Shore Hardness:	60 - 65 D•
Tensile Strength:	50 MPa / 7250 Psi
Electric Strength:	13 Kv/cm
Volume Resistivity:	14 $\log_{10}$ohm m
Permittivity:	4

•hardness will continue to increase to >70 D over 7 days

Colour

Clear, various

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

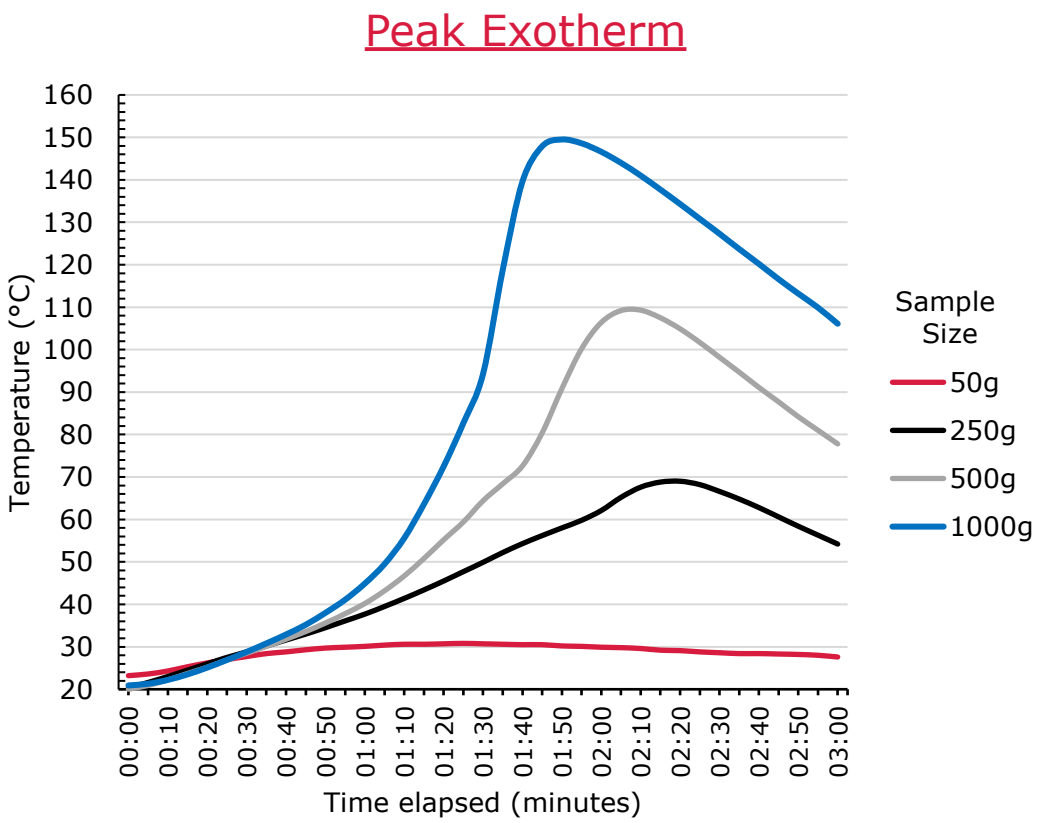
- The Resintech range of potting epoxies
- RT112 non-sag, fast setting epoxy sealant

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.

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

RT310

Low Viscosity Epoxy Resin System



Samples hand mixed in a HDPE beaker for 30 seconds before the exotherm test is started.
All samples at ambient temperature before testing.

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.