

Technical Data

RT310

Low Viscosity Epoxy Resin System

Description

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

Benefits

- Has a degree of flexibility which reduces internal stresses
- Cures with low heat build up so will not damage delicate components
- 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: 1 part hardener to 2 parts resin

Curing (250g mass)

Work life at 23°C: 75 minutes
Cure time at 23°C: 24 hours
Cure time at 60°C: 4 hours

Typical Performance (measurements at 23°C)

Mixed viscosity at 23°C: 1.0 - 2.0 Pa-s
Density: 1.15
Shore Hardness: 60-65 D
Tensile Strength: 50 MPa
Electric Strength: 13 Mv/m
Volume Resistivity: 14 log₁₀ohm m
Permittivity: 4
Operating Temperature: -55°C to 115°C

Colour

Clear, Various

Related Products

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

Resintech Limited warrants only that it's products meet the specifications stated herein. Typical properties where stated are to be considered as representative of the current production and should not be treated as specifications. While the information presented is believed to be true and reliable, users are advised to conduct sufficient investigations to ensure the suitability of any product for it's intended use. Resintech Limited cannot accept any responsibility for loss or damage that may result from the use of this information.