
Technical Data Sheet

RT371

Medium Viscosity Epoxy Resin System

Description

RT371 is a medium viscosity epoxy resin potting system with excellent physical and mechanical properties.

Benefits

- Flame retardant compound with low smoke emission
- Excellent potting and encapsulation system with good flow properties
- Excellent electrical properties
- Good chemical resistance to solvents, oils, fuels, acids and bases
- Excellent mechanical and physical properties
- Available in easy-to-use TwinPacks or bulk

Typical Properties

Mix ratio by weight: 1 part hardener to 7.74 parts resin

Curing (250g mass)

Work life at 23°C: 4 hours

Cure time at 23°C: 24 hours

Cure time at 80°C: 4 hours (+ 1 hour @ 120°C for maximum HDT)

Cure time at 120°C: 2 hours

Typical Performance (measurements at 23°C)

Mixed viscosity at 23°C: 2.0 - 4.0 Pa-s

Density: 1.5

Shore Hardness: 85 D

Tensile Strength: 60 MPa

Electric Strength: >20 Kv/m

Volume Resistivity: 10^{11} ohm/cm

Dielectric constant: 4

Heat Distortion Temperature: 95°C

Shrinkage on cure: <1.5%

Operating Temperature: -55°C to 150°C

Flammability (meets requirements): UL94 V0

Colour

Blue

Resintech Limited warrants only that its 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 its intended use. Resintech Limited cannot accept any responsibility for loss or damage that may result from the use of this information.

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Related Products

- The Resintech range of potting epoxies
- RT380 light weight epoxy resin system

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