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Technical Data Sheet

RT380

Light Weight Epoxy Resin System

Description

RT380 is a very low-density epoxy resin system for use where weight is critical

Benefits

- Contains advanced light weight fillers which do not impair performance
- Excellent electrical properties
- Good chemical resistance to solvents, oils, fuels, acids and bases
- Excellent mechanical properties with low cure shrinkage
- Good thermal insulation properties
- Available in easy-to-use TwinPacks or bulk

Typical Properties

Mixed Viscosity at 23°C:	6.0 - 9.0 Pa-s
*Density:	0.5 – 0.6
Operating Temperature:	-55°C to 150°C (200°C short term)
Peak Exotherm at 23°C	No significant Exotherm (<100g)
Fluid Resistance: Excellent to-	Fuels, Lubricating Oils, Acids and Bases.
Good to-	Hydraulic Fluids, Solvents.

Curing

Work Life at 23°C (100g):	1 hour
Cure Time at 23°C (100g):	24 hours
Cure Time at 60°C (100g):	4 hours

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

*Shore Hardness:	>50 D
Tensile Strength:	4 MPa / 580 Psi
Crush Resistance:	50,000 kN/m2 \ 50 MPa \ 7250 Psi

Colour

Black

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
- RT370 flame retarded epoxy resin system

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.