

Technical Data Sheet

RT125

Flexible High Performance Epoxy Adhesive

Description

RT125 is the industry standard adhesive for high performance cable harness assemblies.

Benefits

- Excellent flexibility giving high shear and peel strengths
- Outstanding chemical and fluid resistance
- Will operate up to 150°C
- Will also bond metals, glass, wood, rubbers and many plastics
- Supplied in DuoSyringe for easy application
- Standard size is 50ml, with associated mixing nozzles and dispenser guns
- 18 month shelf life from the date of manufacture

Typical Properties

Operating Temperature:	-75°C to 150°C
Excellent Solvent Resistance to:	De-icing fluid, Petrol, Lubricating oil, Hydraulic fluid
Peak Exotherm at 23°C:	No significant Exotherm (<100g)

Curing

Work Life at 23°C (4g):	90 minutes
Time to Handling at 23°C (4g):	24 hours
Cure Time at 23°C (4g):	7 days
Cure Time at 85°C (4g):	2 hours

Typical properties (cured for 2 hours at 85°C measurements taken at ambient temperature)

* Lap Shear (300mm ² Al / Al):	5 kN / 16.67 MPa / 2417 Psi (minimum) >6 kN / >20 MPa / >2900 Psi (typical)
Peel Strength (XLPE/XLPE):	370 N / 25mm
Peel Strength after Thermal Shock (4hrs at 215°C):	370 N / 25mm
Dynamic Shear (Backshell/boot/cable. Shell size 22):	520 N
Hardness:	>60 D

Colour

Black, grey on special order

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 18 months from the date of manufacture.

Related Products

- The ShieldFast range
- RT183 electrically conductive epoxy adhesive

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.