

# Colour Coded Systems

## Technical Information

### Typical Properties

Mix Ratio (R:H)  
4:1

Mixed Viscosity  
0.5-1.5 Pa.s  
(500-1500 cPs)

Work Life  
2 hours @ 23°C

Surface Tension  
42-44 mN/m

### Optimum Properties

Glass Transition  
105°C

Thermal Expansion  
55x10<sup>-6</sup> cm/cm/°C

Refractive Index  
1.55

Density  
1.10 g/cc

Hardness  
85 Shore D

Operating Temperature  
-60 to 200°C  
(Higher in some applications)

Lap shear - Al/Al  
11 MPa (@ 23°C)

### Cure Schedule

25°C for 24 hours  
75°C for 20 minutes  
100°C for 5 minutes

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## IN FOCUS: RT156

### Introduction RT156 Features & Benefits

Resintech can provide custom solutions and standard products for almost any bonding or sealing application.

Resintech RT156 is already a proven fibre optic, medium temperature curing epoxy, that excels in many more applications.

Further applications include medical devices, autoclaving, glass bonding and now, an effective way of colour coding.

Based on the original RT156, active pigments have been selected and blended into the resin part of the system to provide a wide range of colour choices to fit any application.

Although this data sheet focuses on RT156, Resintech can provide colour coding solutions using almost any other resin system within its range.

#### Benefits

- Acceptable cure speed at 75°C
- High surface energy and low viscosity means the material readily wets and wicks between surfaces
- Excellent adhesion to glass, metals, ceramics and many plastics
- Good impact and thermal shock resistance
- Excellent moisture and chemical resistance
- Low heat build-up on cure gives lower stresses

#### Packaging Options

RT156 is available in:

- 2g & 4g Twinpacks
- 50g DuoSyringes
- 500g & 1.25kg Bulk Kits

Additional sizes are available, please ask for details.

#### Colours Available

As well as 'Natural', almost any colour is achievable, the current range is:

White, Red, Yellow, Orange, Green, Blue & Black. A choice of transparent or opaque is also available on request.



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