

Adhesive for Fibre Optics

EPOXONIC® 50 is a transparent two-component adhesive based on epoxy /amine chemistry. It features a low curing temperature and was developed for use in the production of fibre optic connectors.

Main Characteristics

- low viscosity
- low cure temperature
- low ionic content

Properties

- Colour nearly colourless
- Glass transition temperature (Tg) 80°C (cure: 1 hour 70°C + 1.5 hours 120°C)
- Shore hardness at RT D 84 (DIN 53505)

Processing

- Mix ratio (Part A : Part B) 100 : 53 parts by weight
- Mixing temperature room temperature
- Processing temperature room temperature
- Initial viscosity at 25°C 800 ± 100 mPas
- Pot life at room temperature (time for viscosity to double) 12 minutes
- Recommended cure schedule 1 hour at 70°C (for 90% of the final strength)
or 30 minutes at 120°C
1 hour at 70°C (for 90% of the final strength)
or 30 minutes at 120°C

Packaging

EPOXONIC® 50 Parts A and B are delivered as a kit (100 gms Part A and 53 gms Part B). Other packaging options are available upon request.

Storage

The shelf life of **EPOXONIC® 50** Parts A and B is 6 months when stored between 25 – 40°C in original sealed containers.

Quality Assurance

If required, **EPOXONIC® 50** will be supplied with a Certificate of Analysis.

Health and Safety

As with all epoxy materials, this product may cause skin irritation. Recommended industrial hygiene procedures should always be followed when handling this product. Avoid skin contact. If contact does occur wash area immediately with soap and water. Please refer to Material Safety Data Sheet for details.

Disclaimer

All information contained herein is based on the present state of knowledge and believed to be reliable. Any suggestions or recommendations are made without liability on our part since we shall have no control over the use of our product. Buyers and users should make their own assessment of this product under their own conditions and for their own requirements.