

Flame-retardant Potting Compound for Electronic and Electrical Components

EPOXONIC® 235 is a filled, two-component potting compound based on epoxy resin. It is solvent-free and specially designed to withstand lead-free soldering processes

- high glass transition temperature
- flame-retardant
- good flow properties

Properties

- | | |
|---|-------------------------------|
| • Color | Black |
| • Shore-Hardness at 25°C | D 90 |
| • Density (21 °C), cured | 1,67 g/cm ³ |
| • Coefficient of thermal expansion α_1 | ca. $45 \times 10^{-6}/K$ TMA |
| • Glass transition temperature (TMA) | ca. 135 °C TMA |
| • Flame resistance | UL94 HB (EPOXONIC Test, 2mm) |

Processing

- | | | |
|-------------------------------|------------------------------------|-----------------------------------|
| • Mix ratio (Part A : Part B) | 100 : 4,2 pbw | |
| • Viscosity at 25°C | Part A
Reactive mixture | ca. 10,000 mPas
ca. 6,000 mPas |
| • Method of application | dispenser | |
| • Recommended cure schedule | 2 hours at 60°C + 2 hours at 110°C | |

Storage

The shelf life of **EPOXONIC® 235** Part A and Part B is 12 months when stored in original sealed containers at or below 25°C.

Packaging

EPOXONIC® 235 Part A is delivered in metal pails containing 25 kgs material. The Part B is delivered in 10 liter cans containing 10 kgs material. Other packaging forms are available upon request.

Quality Assurance

If required **EPOXONIC® 235** 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.