

Flexible Potting Compound

EPOXONIC® 251 is a highly flexible potting compound for different applications based on epoxy resin. It is especially suited for low stress potting of pressure sensitive electronic components.

Main Characteristics

- long pot life
- good low temperature behavior
- low stress on components
- temperature stable up to 150°C
- one-component version also available

Properties

- | | | |
|--------------------------------------|---------------------------------|-----------|
| • Colour | black | |
| • Shore hardness at RT | A 35 – 45 | |
| • Density at 21°C (cured material) | approx. 1.1 gms/cm ³ | |
| • Glass transition temperature (TMA) | approx. -35°C | |
| • Elongation at break | approx. 100 % | DIN 53457 |
| • Weight loss at 150°C / 1500 hours | < 10 % | |

Processing

- | | |
|---|---|
| • Mix ratio (Part A : Part B) | 100 : 74 parts by weight |
| • Viscosity at 25 °C (Epprecht cone/plate viscometer) | |
| Part A | 5000 ± 1000 mPas |
| Part B | 8500 ± 1500 mPas |
| Mixed | 7000 ± 1500 mPas |
| • Pot life at 23°C
(time for viscosity to double) | > 20 hours |
| • Method of application | dispenser |
| • Recommended cure schedule | 4 hours at 120°C (circulating oven)
or 1 hour at 150°C |

Packaging

EPOXONIC® 251 Parts A and Part B are delivered in metal cans. Other packaging options are available upon request.

Storage

The shelf life of **EPOXONIC® 251** Part A is at least 12 months at room temperature when stored in tightly closed, original containers. The shelf life of the Part B is at least 6 months at room temperature.

Quality Assurance

If required **EPOXONIC® 251** 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 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.