

## Potting Compound for Electronic and Electrical Application

**EPOXONIC® 283** is a filled, solvent-free two-component potting compound based on epoxy resin. It can be used especially for the potting of electronic components.

### Main Characteristics

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- Solvent-free
- Low curing temperature
- low-stress potting
- thermal shock resistance
- solvent resistance
- good processing properties

### Properties

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|-------------------------------------|--------------------------|
| • Colour                            | black                    |
| • Density at 22°C                   | 1,65 gms/cm <sup>3</sup> |
| • Viscosity at 25 °C                | approx.. 2,500 mPas      |
| • Glass transition temperature (Tg) | 75°C (DSC)               |
| • Shore hardness at RT              | D 88 (24h / RT)          |
| • Dielectric strength               | 40 kV/mm                 |

## Processing

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- Mix ratio (Part A : Part B) 100 : 9,5 parts by weight
- Mixing temperature < 30 °C
- Pot life at 25 °C approx. 30 min (time to double viscosity)
- Method of application dispenser
- Recommended cure schedule >. 24h/RT  
or 2h/50°C  
or 1h/70°C

## Packaging

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**EPOXONIC® 283** Part A is delivered in 30 liter metal pails containing 25 kgs material. Part B is delivered in 5 or 10 liter cans with a pour spout containing 10 kgs material. Other packaging forms are available upon request.

## Storage

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**EPOXONIC® 283** should be stored at room temperature in the original sealed containers. The shelf life of the Part A and Part B under these conditions is 12 months.

## Quality Assurance

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If required, **EPOXONIC® 283** will be supplied with a Certificate of Analysis.

## Health and Safety

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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.