

## Casting Material for Electronic Components

**EPOXONIC® 33** is a filled solvent-free 2-component material based on epoxy resin.

### APPLICATION

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#### Main characteristics:

- Room temperature curing

EPOXONIC® 33 is specially designed for the potting of PCB

### Properties

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• Color	grey	
• Density	1,47 g/cm <sup>3</sup>	DIN 53479
• Thermal conductivity (25 °C)	1,1 W/mK	VDE 0304
• Tensile strength	30 N/mm <sup>2</sup>	DIN 53455
• Elongation at break	8 %	DIN 53455
• Young´s modulus	420 N/mm <sup>2</sup>	DIN 53457
• Flexural strength	54 N/mm <sup>2</sup>	DIN 53452
• Shore-Hardness	82 Shore D	DIN 53505
• E-Corrosion	A1	DIN 53489
• Specific volume resistivity (25 °C)	2,3 x 10 <sup>14</sup> Ωcm	DIN 53482
• Surface resistivity	9,6 x 10 <sup>14</sup> Ωcm	DIN 53482
• Tracking resistance (KA 3c)	KB > 600	DIN 53480
• Dielectric strength (Platte 3 mm, 25 °C)	35 kV/mm	DIN 53481

## Processing

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- Mixing ratio (Part A : Part B) 102: 22 parts by weight
- Mixing temperature  $\leq 40\text{ }^{\circ}\text{C}$
- Pot life (25 °C) 60 - 90 min (time to double viscosity)
- Viscosity (25 °C) ca. 3500 mPa.s
- Curing conditions at room temperature: > 36 hours  
or 60 °C/7 hours  
or 120 °C/1 hour

## Storage

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Component A and B of **EPOXONIC® 33** can be stored at room temperature for at least 6 months.

## 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

## Quality Assurance

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If required, **EPOXONIC® 33** will be supplied with a Certificate of Analysis.

## 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.