

# EPOXONIC® 373

**Flexible, flame-resistant potting compound for Automotive Engineering, Microelectronics and Electrical Engineering**

EPOXONIC® 373 is a solvent-free, mineral filled 2-part potting compound based on epoxy resin.

## Main characteristics:

- Heat resistance to 150 °C
- Thermal shock resistance
- Flexibility
- High thermal conductivity
- Long pot life
- Flame-resistance

## Application:

EPOXONIC® 373 is especially suited for low stress potting of pressure sensitive electronic devices (e.g. inductive components, sensors).

## Properties:

Specific values measured by standard test specimen at 23 °C, cured 4 h / 120 °C.

Operating temperature	-40 °C to +150 °C	
Colour	black	
Shore hardness	90 Shore A	DIN EN ISO 868
Density	1.6 g/cm <sup>3</sup>	DIN EN ISO 1183-1
Coefficient of linear thermal expansion CTE	125 – 135 ppm/K (50°C – 100°C)	ISO 11359-2
Glass transition temperature	-45 to -35 °C	DIN EN ISO 11357-2
Water absorption	0.2 % at 100 °C / 30 min 1.7 % at 85 °C / 100 % rH (Saturation value)	DIN EN ISO 62
Thermal conductivity	1.0 W/mK	DIN EN ISO 8894-1
Tensile strength	8 MPa	DIN EN ISO 527
Elongation at break	35 %	DIN EN ISO 527
E-modulus	30 MPa	DIN EN ISO 527
Flame-resistance	V0 (not listed)	UL 94

Dielectric strength	> 16 kV/mm
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1) Depending on the application, other temperature limits may be reasonable

## Processing:

Mix ratio	Part A : Part B = 100 : 250 parts by weight	
Viscosity cone/plate viscometer	25 °C	25,000 - 30,000 mPas (Part A)
	25 °C	60,000 - 80,000 mPas (Part B)
	25 °C	45,000 - 55,000 mPas (Mixture A + B)
Pot life	25 °C	> 20 h (time to double viscosity)
Method of application	e.g. dispenser	
Cure schedule	e.g. 4 h / 120 °C Optimum cure schedules have to be determined by the specific application.	

## Storage:

The shelf life of EPOXONIC® 373 Part A and part B is 6 months at temperatures < 25 °C when stored in tightly closed, original containers. Part A and part B have to be stirred very well before use. Partly emptied containers should be tightly closed immediately after use.

## Packaging:

EPOXONIC® 373 Part A and Part B is delivered in metal cans.  
Other packaging options are available upon request.

## 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.

## Health and Safety:

Recommended industrial hygiene procedures should always be followed when handling this product. Please refer to the corresponding Material Safety Data Sheet for details.

## Quality Assurance:

If required EPOXONIC® 373 will be supplied with a Certificate of Analysis.