

EPOXONIC®
EX 3483

Highly flexible potting compound
with high thermal conductivity
for different applications

EPOXONIC® EX 3483 is a solvent-free, mineral filled 2-part potting compound based on epoxy resin.

Main characteristics:

- High flexibility
- High thermal conductivity
- Suitable for potting under vacuum

Application:

EPOXONIC® EX 3483 is especially suited as flexible potting material with high thermal conductivity for low stress potting of electrical devices.

Properties:

Specific values measured by standard test specimen at 23 °C, cured 2 h / 90 °C + 4 h / 120 °C.

Colour	grey	
Shore hardness	80 Shore A	DIN EN ISO 868
Density	2.4 g/cm ³	DIN EN ISO 1183-1
Glass transition temperature (DSC)	- 40 °C	DIN EN ISO 11357-2
Thermal conductivity	1.4 W/mK	DIN EN ISO 8894-1
E-modulus at 25 °C	9.0 MPa	DIN EN ISO 527
Tensile strength at 25 °C	4.0 MPa	DIN EN ISO 527
Elongation at break at 25 °C	65 %	DIN EN ISO 527
Water absorption	0.33 % at 23 °C / 24 h 0.37 % at 100 °C / 30 min	DIN EN ISO 62

Processing:

Mix ratio	Part A : Part B = 100 : 150 parts by weight	
Viscosity plate/plate viscometer	25 °C	60 – 75 Pas (Part A)
	25 °C	80 – 95 Pas (Part B)
	25 °C	65 – 85 Pas (Mixture A + B)
Pot life	25 °C	> 20 h (time to double viscosity)
	80 °C	approx. 30 min (time to double viscosity)
Method of application	e.g. dispenser	
Cure schedule	e.g. 2 h / 90 °C + 4 h / 120 °C (convection oven) Optimum cure schedules have to be determined by the specific application.	

Storage:

The shelf life of EPOXONIC® EX 3483 Part A and Part B is 6 months at temperatures < 25 °C when stored in tightly closed, original containers.

Part A and Part B tend to crystallize and have to be heated up to 70 °C and stirred very well before use.

Partly emptied containers should be tightly closed immediately after use.

Packaging:

EPOXONIC® EX 3483 Part A and Part B are delivered in metal pails.

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® EX 3483 will be supplied with a Certificate of Analysis.