

EPOXONIC® 364

Flexible potting compound with high
thermal conductivity

EPOXONIC® 364 is a solvent-free, mineral filled
2-part potting compound based on epoxy resin.

Main characteristics:

- High elongation at break
- High thermal conductivity
- Excellent mechanical damping

Application:

EPOXONIC® 364 is especially suited for low-stress
potting of components and for the thermal
conductive connection of heat sinks to electronic
assemblies.

Properties:

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

Operating temperature ¹⁾	-40 °C to +150 °C	
Colour	grey	
Shore hardness	70 Shore A	DIN EN ISO 868
Density	2.4 g/cm ³	DIN 66137-3
Glass transition temperature	- 40 °C	DIN EN ISO 11357-2
Water absorption	0.33 % at 23 °C / 24 h 0.37 % at 100 °C / 30 min	DIN EN ISO 62
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	3.6 MPa	DIN EN ISO 527
Elongation at break at 25 °C	65 %	DIN EN ISO 527

1) Depending on the application, other temperature limits may be reasonable

Processing:

Mix ratio		Part A : Part B = 100 : 150 parts by weight Part A : Part B = 100 : 170 parts by volume
Viscosity plate/plate viscometer	25 °C 25 °C 25 °C	55 - 85 Pas (Part A) 80 - 110 Pas (Part B) 60 - 100 Pas (Mixture A + B)
Pot life	23 °C 80 °C	> 20 h (time to double viscosity) 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 Optimum cure schedules have to be determined by the specific application

Storage:

The shelf life of EPOXONIC® 364 Part A and Part B is 6 months at temperatures < 25 °C when stored in tightly closed, original containers. Part A and Part B has to be stirred very well before use. Part A and Part B can crystallize. In this case, the whole container has to be heated (50 – 60 °C) under constant stirring, which will reverse the crystallization process. Partly emptied containers should be tightly closed immediately after use.

Packaging:

EPOXONIC® 364 Part A and Part B is 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® 364 will be supplied with a Certificate of Analysis.