

EPOXONIC® 366

Potting compound/Adhesive for
Automotive Engineering

EPOXONIC® 366 is a solvent-free, mineral filled
1-part potting compound based on epoxy resin.

Main characteristics:

High mechanical strength
High glass transition temperature
1-part system („Frozen product“)

Application:

EPOXONIC® 366 is especially suited as potting
compound/adhesive for automotive engineering,
e.g. potting of sensors.

Properties:

Specific values measured by standard test specimen at 23 °C, cured 6 h / 80 °C + 12 h / 160 °C.

Colour	black	
Shore-Hardness	94 Shore D	DIN EN ISO 868
Density	1.7 g/cm ³	DIN EN ISO 1183-1
Glass transition temperature	170 °C	DIN EN ISO 11357-2
Coefficient of linear thermal expansion CTE	30 x 10 ⁻⁶ /K (70 – 130 °C) 80 x 10 ⁻⁶ /K (190 – 230 °C)	DIN EN ISO 11359-2
Thermal conductivity	approx. 0.57 W/mK	Based on DIN EN ISO 22007-2

Processing:

Processing temperature	≤ 70 °C	
Viscosity plate/plate viscometer		
25 °C	70,000 – 90,000 mPas	
40 °C	25,000 – 35,000 mPas	
50 °C	11,000 – 15,000 mPas	
60 °C	5,000 – 7,000 mPas	
Temperature of the casting device	Same temperature or higher as epoxy resin mixture	
Pot-life	40 °C	approx. 6 h (time to double viscosity)
	60 °C	approx. 3 h (time to double viscosity)
Method of application	e.g. dispenser	
Cure schedule	e.g. 6 h / 80 °C + 12 h / 160 °C Optimum cure schedules have to be determined by the specific application.	

Storage:

The shelf life of EPOXONIC® 366 is 6 months as "frozen product" in the original container at < - 20 °C.

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.

Packaging:

EPOXONIC® 366 is delivered in cartridges as "frozen product".
Other packaging options are available upon request.

Quality Assurance:

If required EPOXONIC® 366 will be supplied with a Certificate of Analysis.

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.