EPOXONIC®
innovative epoxies

EPOXONIC® 356

Highly flexible potting compound for Automotive Engineering and Microelectronics

EPOXONIC® 356 is a solvent-free potting compound based on epoxy resin.

Main characteristics:

- Heat resistance to 150 °C
- Thermal shock resistance
- Flexibility
- Long pot life

Application:

EPOXONIC® 356 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	30 - 50 Shore A	DIN EN ISO 868
Density	1.1 g/cm^3	DIN EN ISO 1183-1
Glass transition temperature (DSC)	-40 °C to -30 °C	DIN EN ISO 11357-2
Water absorption	1.9 % at 23 °C (saturation)	DIN EN ISO 62
Coefficient of linear thermal expansion CTE (TMA)	200 – 210 x 10^{-6}/K (50 – 100 °C)	ISO 11359-2
Tensile strength	3 MPa	DIN EN ISO 527
Elongation at break	130 %	DIN EN ISO 527
E-modulus	2.5 MPa	DIN EN ISO 527

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Processing:

Mix ratio		Part A : Part B = 100 : 150 parts by weight	
Density at 25 °C	Part A Part B	1.17 g/cm³ 1.04 g/cm³	DIN EN ISO 2811-2
Viscosity cone/plate viscometer			
	25 °C	2,000 – 4,000 mPas (Part A)	
	25 °C	13,000 – 17,000 mPas (Part B)	
	25 °C	7,000 – 10,000 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® 356 Part A and Part B is 12 months at temperatures < 25 °C when stored in tightly closed, original containers. Part B can crystallise. In this case the whole container has to be completely heated and the content liquefied and homogenised. Partly emptied containers of Part A and Part B should be tightly closed immediately after use.

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:

Packaging options are available upon request.

Quality Assurance:

If required EPOXONIC® 356 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.