

EPOXONIC® 361

**Highly flexible potting compound
for Automotive Engineering
and Microelectronics**

EPOXONIC® 361 is a solvent-free potting compound based on epoxy resin.

Main characteristics:

Heat resistance to 150 °C
Thermal shock resistance
Flexibility
Long pot life
Optionally available as 1-part system („Frozen product“)

Application:

EPOXONIC® 361 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 2 h / 150 °C.

Operating temperature	-40 °C to +150 °C	
Colour	black	
Shore hardness	45 - 55 Shore A	DIN EN ISO 868
Density	1.1 g/cm ³	DIN EN ISO 1183-1
Glass transition temperature	-50 °C to -40 °C	DIN EN ISO 11357-2
Weight loss	< 5 % (1000 h / 150 °C)	
Water absorption	1.7 % at 23 °C (saturation)	DIN EN ISO 62
Tensile strength	1.0 MPa	DIN EN ISO 527
Elongation at break	70 %	DIN EN ISO 527
E-modulus	2.8 MPa	DIN EN ISO 527

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

Processing:

Mix ratio	Part A : Part B = 100 : 210 parts by weight	
Viscosity cone/plate viscometer		
	25 °C	2,000 – 4,000 mPas (Part A)
	25 °C	7,000 – 11,000 mPas (Part B)
	25 °C	6,000 – 9,000 mPas (Mixture A + B)
	40 °C	2,000 – 3,000 mPas (Mixture A + B)
	60 °C	500 – 1,000 mPas (Mixture A + B)
Pot life (100g)	25 °C	> 20 h (time to double viscosity)
	60 °C	3 h
Method of application	e.g. dispenser	
Cure schedule	e.g. 4 h / 120 °C or 2 h / 150 °C Optimum cure schedules have to be determined by the specific application.	

Storage:

The shelf life of EPOXONIC® 361 Part A and Part B is 6 months at temperatures < 25 °C when stored in tightly closed, original containers. Part A and Part B can crystallize. In this case the whole container has to be heated to 60°C until content is completely liquefied and then homogenized again. Partly emptied containers of Part A and Part B should be tightly closed immediately after use.

The shelf life of EPOXONIC® 361 as 1-Part-system is 9 months at temperatures < -20 °C when stored in tightly closed, original cartridges.

Packaging:

Packaging options are available upon request.

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® 361 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.