EPOXONIC
we love epoxies

EPOXONIC® 369

Toughened 2-Part-Adhesive for Automotive Engineering, Microelectronics and Electrical Engineering

EPOXONIC® 369 is a solvent-free 2-part adhesive based on epoxy resin.

Main characteristics:

- Chemical resistance
- Low viscosity
- Impact resistance
- Good adhesion to plastics
- Moderate curing temperature

Application:

EPOXONIC® 369 is especially suited for low stress bonding of substrates with different thermal expansion (e.g. polycarbonate/glass-composites).

Properties:

Specific values measured by standard test specimen at 23 °C, cured 2 h / 80 °C.

Operating temperature [1)]	-40 °C to +150 °C	
Colour	colourless, slightly opaque	
Shore hardness	80 Shore D	DIN EN ISO 868
Density	1.1 g/cm^3	DIN EN ISO 1183-1
Glass transition temperature	85 – 95 °C	DIN EN ISO 11357-2
Shear strength on		EPOXONIC PV 29
Aluminum	50 MPa	
PC	30 MPa	
PPS	28 MPa	
PA 6.6	27 MPa	
Bending strength	90 MPa	DIN EN ISO 178
E-modulus	2,200 MPa	DIN EN ISO 178
Outer fibre strain at break	12 %	DIN EN ISO 178

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

Processing:

Mix ratio		Part A : Part B = 100 : 25 parts by weight	
Viscosity cone/plate viscometer			DIN 53019
	25 °C	10,000 – 15,000 mPas (Part A)	
	25 °C	300 – 500 mPas (Part B)	
	25 °C	2,500 – 4,500 mPas (Mixture A + B)	
Pot life	25 °C	approx. 1 h (time to double viscosity)	
Method of application		e.g. dispenser	
Cure schedule		e.g. 2 h / 80 °C Optimum cure schedules have to be determined by the specific application.	

Storage:

The shelf life of EPOXONIC® 369 Part A and Part B is 12 months at temperatures < 25 °C when stored in tightly closed, original containers.
Partly emptied containers 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:

EPOXONIC® 369 Part A is delivered in metal cans. The Part B is delivered in cans with a pour spout. Other packaging options are available upon request.

Quality Assurance:

If required EPOXONIC® 369 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.