

EPOXONIC® 292

Tough adhesive for Automotive Engineering, Microelectronics, and Electrical Engineering

EPOXONIC® 292 is a solvent-free, mineral filled 1-part adhesive based on epoxy resin.

Main characteristics:

Chemical resistance
Good shear strength
Reduced curing temperature
Toughness
Storage at 2 – 8 °C

Application:

EPOXONIC® 292 is especially suited for bonding of electric motor magnets. For temperature sensitive applications curing at 95 °C is possible as well.

Properties:

Specific values measured by standard test specimen at 23 °C, cured 1 h / 120 °C.

Operating temperature	-40 °C to +150 °C; depending on the application, other limits may be reasonable	
Colour	grey	
Density	1.45 – 1.55 g/cm ³	DIN 66137-3
Glass transition temperature (DSC)	120 – 130 °C	DIN 53765
Coefficient of linear thermal expansion CTE (TMA)	45 – 55 x 10 ⁻⁶ /K (50 – 100 °C) 155 – 165 x 10 ⁻⁶ /K (140 – 200 °C)	ISO 11359-2
Shear strength (aluminium)	70 MPa	EPOXONIC PV 29
Peel strength (aluminium)	2.5 N/mm	DIN EN 1464

Processing:

Density	23 °C	1.45 – 1.55 g/cm ³
Viscosity cone/plate viscometer	25 °C	190 – 290 Pas
Yield point	25 °C	220 – 280 Pa
Pot life	25 °C	min. 1 week
Method of application		e.g. dispenser
Cure schedule		e.g. 1 h / 120 °C or 24 h / 95 °C Optimum cure schedules have to be determined by the specific application.

Storage:

The shelf life of EPOXONIC® 292 is 6 months at 2 – 8 °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® 292 is delivered in metal pails containing 20 kg material. Other packaging options are available upon request.

Quality Assurance:

If required EPOXONIC® 292 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.