DELO

Technical Information

DELO-DUOPOX® AD850

Base
- epoxy resin
- two-component, filled, elastic
- product is free of nonylphenol

Use
- multi-purpose
- in mechanical engineering and tool construction
- in electrical engineering and electronics
- tough-hard, good flow behavior

Curing
- at room temperature
- increased temperatures accelerate curing

Processing
- components A and B must be mixed well or homogenized in the mixing ratio stated below until the preparation is free of streaks
- supplied ready for use and can be applied well from the original container
- the surfaces to be bonded must be dry as well as free of dust, grease and other contaminations
- use DELOTHEN cleaners for the cleaning of bonding surfaces

Technical data

Color	brown
Filler	minerals
Mixing ratio (A : B) according to volume	2 : 1
Viscosity of component A [mPas] Brookfield at 23 °C	45000
Viscosity of component B [mPas] Brookfield at 23 °C	135000
Viscosity of mixture [mPas] Brookfield at 23 °C	60000
Pot life in 100 g preparation [min] DIN EN 14022, at 23 °C	20
Processing time in 100 g preparation [min] at 23 °C	15

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Curing time until firmness to touch [h] tensile shear strength 1 - 2 MPa	5
Curing time until functional strength [h] tensile shear strength > 10 MPa	12
Curing time until final strength [d] at room temperature (approx. 23 °C)	7
Tensile shear strength Al/Al [MPa] DIN EN 1465, sand-blasted component thickness: 1.6 mm after 7d at room temperature (ca. 23 °C)	15
Tensile strength [MPa] DIN EN ISO 527	14
Elongation at tear [%] DIN EN ISO 527	30
Young's modulus [MPa] DIN EN ISO 527	600
Shore hardness D after storage at rt for 7 d	66
Storage life at room temperature (approx. 23 °C) in unopened original container	6 months

Instructions and advice

General

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behavior of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this.
It is the user's responsibility to test the suitability of the product for the intended purpose by considering all specific requirements. Type and physical and chemical properties of the materials to be processed with the product, as well as all actual influences occurring during transport, storage, processing and use, may cause deviations in the behavior of the product compared to its behavior under laboratory conditions. All data provided are typical average values or uniquely determined parameters measured under laboratory conditions. The data and information provided are, therefore, no guarantee for specific product properties or the suitability of the product for a specific purpose.

Instructions for use

The instructions for use are available on: www.DELO.de. We will be pleased to send them to you on demand.

Occupational health and safety

see material safety data sheet