

# DELO-PUR 9895

## polyurethane | 2C | room-temperature-curing

filled, pasty | flow-resistant, suitable for DELO-AUTOMIX

### Special features of product

- compliant with RoHS Directive 2015/863/EU
- tested for biocompatibility and meets the requirements according to DIN EN ISO 10993-5: test for cytotoxicity
- passes ANSI/UL 94 HB Flame Test
- Component B is humidity-sensitive

### Typical area of use

- -40 - 125 °C
- glass/metal bondings
- mixed bondings with plastics

### Curing

#### Curing time

<i>until initial strength at rt approx. +23 °C tensile shear strength 1 - 2 MPa</i>	5.5	h
<i>until initial strength at +80 °C tensile shear strength 1 - 2 MPa</i>	25	min
<i>until functional strength at rt approx. +23 °C tensile shear strength &gt; 10 MPa</i>	24	h
<i>until functional strength at +80 °C tensile shear strength &gt; 10 MPa</i>	60	min
<i>until final strength at rt approx. +23 °C</i>	72	h
<i>until final strength at +80 °C</i>	90	min

### Processing

Mixing ratio A : B - volume	1 : 1	
Mixing ratio A : B - weight	1 : 1	
Processing time after mixing		
<i>in 100 g batch at rt approx. +23 °C</i>	30	min

Reaction temperature (max.)

*in 100 g batch* 35 °C

Storage life in unopened original container

*at +15 °C to +30 °C* 6 month(s)

**Technical properties**

Color in cured condition in 1 mm layer thickness beige

Filler particle type minerals

Density of component A 1.48 g/cm<sup>3</sup>

Density of component B 1.44 g/cm<sup>3</sup>

**Parameters**

Tensile shear strength 3 MPa  
*Based on DIN EN 1465 | Al | Al | Pretreatment: sand-blasted | at approx. +23 °C | 7 d | Measuring temperature: 100 °C*

Tensile shear strength 16 MPa  
*Based on DIN EN 1465 | Al | Al | Pretreatment: sand-blasted | at approx. +23 °C | 168 h*

Peel resistance 10 N/mm  
*DELO Standard 38 | Steel | Steel | Pretreatment: sand-blasted | at approx. +23 °C | 7 d*

Tensile strength 10 MPa  
*Based on DIN EN ISO 527 | at approx. +23 °C | 7 d*

Elongation at tear 70 %  
*Based on DIN EN ISO 527 | at approx. +23 °C | 7 d*

Young's modulus 100 MPa  
*Based on DIN EN ISO 527 | at approx. +23 °C | 7 d*

Shore hardness A 90  
*Based on DIN EN ISO 868 | at approx. +23 °C | 7 d*

Shore hardness D 50  
*Based on DIN EN ISO 868 | at approx. +23 °C | 7 d*

Coefficient of linear expansion 205 ppm/K  
*DELO Standard 26 | TMA | Evaluation T: 30 °C - 140 °C*

Water absorption 0.3 wt. %  
*Based on DIN EN ISO 62 | Type of storage: Desiccator | Duration: 72 h*

Decomposition temperature 221 °C  
*DELO Standard 36*

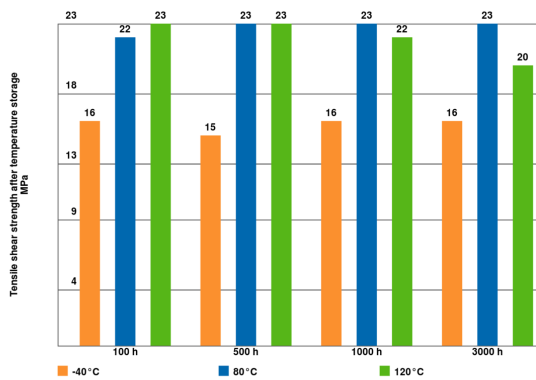
Volume resistivity >1xE+13 Ohm·cm  
*Based on VDE 0303-30*

Surface resistance >1xE+12 Ohm  
*Based on VDE 0303-30*

Dielectric strength 17.6 kV/mm  
*Based on DIN EN 60243-1*

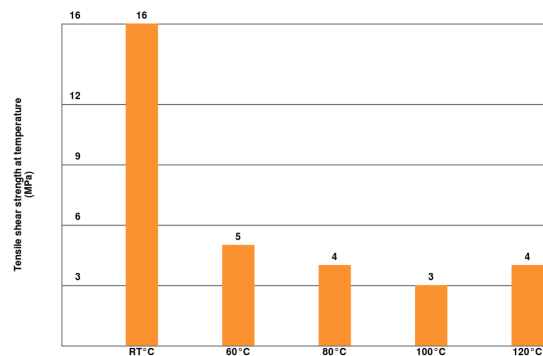
Comparative tracking index M 600  
*Based on DIN IEC 60112*

Tensile shear strength after temperature storage / based on DIN EN 1465



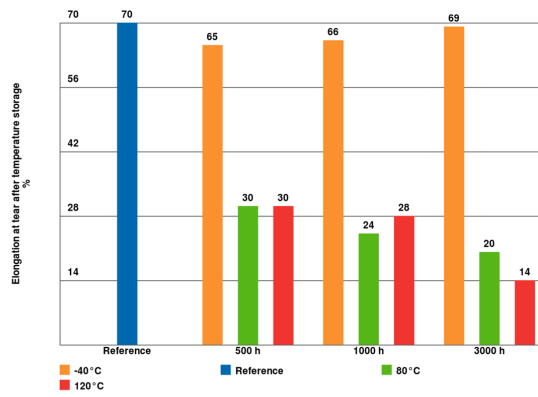
Substrates: Al / Al

Tensile shear strength measured at stated temperatures

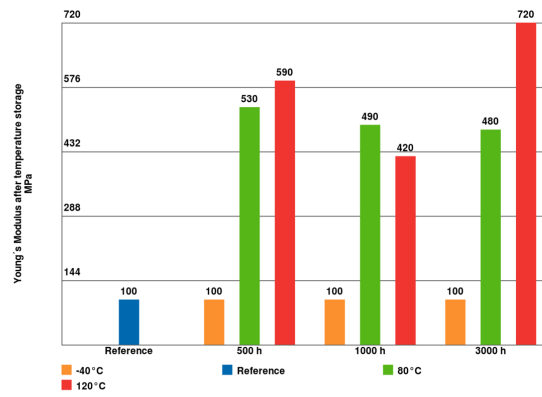


Substrates: Al / Al

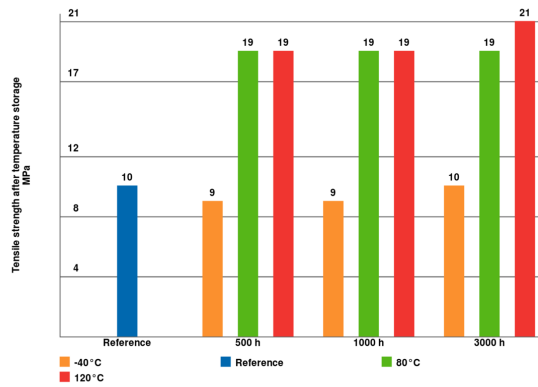
Elongation at tear after temperature storage / based on DIN EN ISO 527



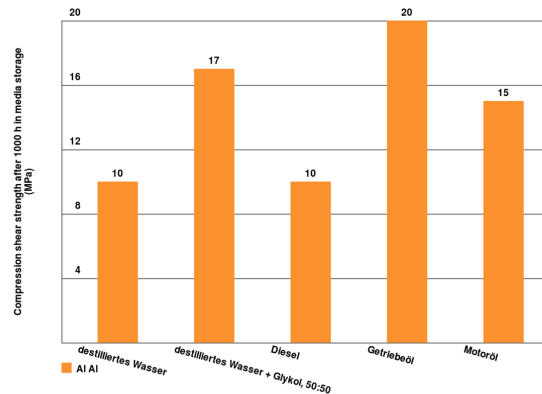
Young's Modulus after temperature storage / based on DIN EN ISO 527



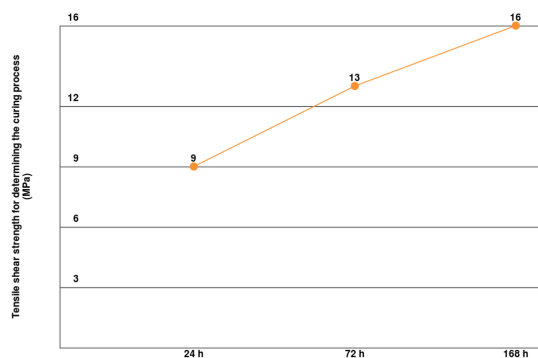
Tensile strength after temperature storage / based on DIN EN ISO 527



Media resistance after 1000 h

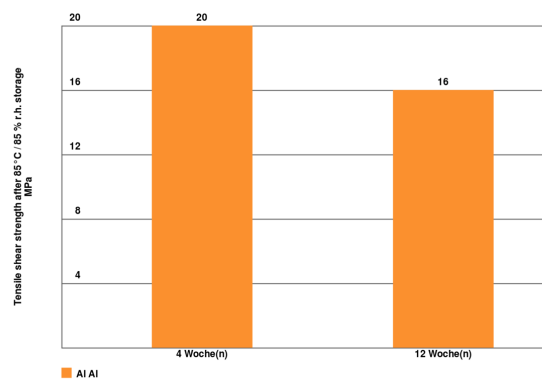


Substrates: Al/Al, based on DIN EN 1465



at room temperature (approx. 23 °C)

Tensile shear strength after 85 °C / 85 % r.h. storage, based on DIN EN 1465



**Converting table**

°F	= (°C x 1.8) + 32	1 MPa	= 145.04 psi
1 inch	= 25.4 mm	1 GPa	= 145.04 ksi
1 mil	= 25.4 µm	1 cP	= 1 mPa·s
1 oz	= 28.3495 g	1 N	= 0.225 lb

**General curing and processing information**

The curing time stated in the technical data was determined in the laboratory. It can vary depending on the adhesive quantity and component geometry and is therefore a reference value. Unless otherwise specified, the values were measured after 168 h at approx. 23 °C / 50 % r. h., and the values of heat-cured samples were measured after 24 h at approx. 23 °C / 50 % r. h.

**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 customer's responsibility to test the suitability of a product for the intended purpose by considering all specific requirements and by applying standards the customer deems suitable (e. g. DIN 2304-1). Type, 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. Nothing contained herein shall be construed to indicate the non-existence of any relevant patents or to constitute a permission, encouragement or recommendation to practice any development covered by any patents, without permission of the owner of this patent. All products provided by DELO are subject to DELO's General Terms of Business. Verbal ancillary agreements are deemed not to exist.

**Instructions for use**

The instructions for use are available on [www.DELO-adhesives.com](http://www.DELO-adhesives.com). We will be pleased to send them to you on demand.

**Occupational health and safety**

See material safety data sheet.

**Specification**

Nothing contained in this Technical Datasheet shall be interpreted as any express warranty or guarantee. This Technical Datasheet is for reference only and does not constitute a product specification. Please ask our responsible Sales Engineer for the applicable product specification which includes defined ranges. DELO is neither liable for any values and content of this Technical Datasheet nor for oral or written recommendations regarding the use, unless otherwise agreed in writing. This limitation of liability is not applicable for damages resulting from intent, gross negligence or culpable breach of cardinal obligations, nor shall it apply in case of death or personal injury or in case of liability under any applicable compulsory law.

**CONTACT**