DELO®-PUR 9895

polyurethane | 2C | room-temperature-curing

very good media resistance, flow-resistant, suitable for side-by-side cartridges, filled, pasty

Special features of product
- compliant with RoHS Directive 2015/863/EU
- UL listing: UL file E467212 (Yellow Card)
- tested for biocompatibility and meets the requirements according to DIN EN ISO 10993-5: test for cytotoxicity
- compliant with limits of VOC content in adhesive acc. to GB33372-2020
- 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

<table>
<thead>
<tr>
<th>Condition</th>
<th>Time to Achieve Strength</th>
<th>Temperature</th>
</tr>
</thead>
<tbody>
<tr>
<td>Final Strength</td>
<td>72 h</td>
<td>rt approx. +23 °C</td>
</tr>
<tr>
<td>Initial Strength</td>
<td>5.5 h</td>
<td>rt approx. +23 °C</td>
</tr>
<tr>
<td>Functional Strength</td>
<td>24 h</td>
<td>rt approx. +23 °C</td>
</tr>
<tr>
<td>Final Strength</td>
<td>60 min</td>
<td>+80 °C</td>
</tr>
<tr>
<td>Initial Strength</td>
<td>25 min</td>
<td>+80 °C</td>
</tr>
<tr>
<td>Functional Strength</td>
<td>90 min</td>
<td>+80 °C</td>
</tr>
<tr>
<td>Final Strength</td>
<td>90 min</td>
<td>+80 °C</td>
</tr>
</tbody>
</table>

Processing

Mixing ratio A : B - volume 1 : 1

Mixing ratio A : B - weight 1 : 1
Processing time after mixing

in 100 g batch at rt approx. +23 °C 30 min

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/cm³

Density of component B 1.44 g/cm³

Parameters

Tensile shear strength by the criteria of DIN EN 1465 | AI | AI | Pretreatment: sand-blasted | at approx. +23 °C | 168 h 16 MPa

Tensile shear strength by the criteria of DIN EN 1465 | AI | AI | Pretreatment: sand-blasted | at approx. +23 °C | 168 h | Measuring temperature: 100 °C 3 MPa

Peel resistance DELO Standard 38 | Steel | Steel | Pretreatment: sand-blasted | at approx. +23 °C | 168 h 10 N/mm

Tensile strength by the criteria of DIN EN ISO 527 | at approx. +23 °C | 168 h 10 MPa

Elongation at tear by the criteria of DIN EN ISO 527 | at approx. +23 °C | 168 h 70 %

Young's modulus by the criteria of DIN EN ISO 527 | at approx. +23 °C | 168 h 100 MPa

Shore hardness A by the criteria of DIN EN ISO 868 | at approx. +23 °C | 168 h 90

Shore hardness D by the criteria of DIN EN ISO 868 | at approx. +23 °C | 168 h 50

Coefficient of linear expansion DELO Standard 26 | TMA | Evaluation T: 30 °C - 140 °C 205 ppm/K
Water absorption
by the criteria of DIN EN ISO 62 | Layer thickness: 4 mm | Type of storage: Media | Medium: Distilled water | Storage temperature: at approx. +23 °C | Duration: 24 h
0.3 wt. %

Decomposition temperature
DELO Standard 36
221 °C

Volume resistivity
>1E12 Ohm·cm

Surface resistance
by the criteria of DIN EN 62631-3-2
>1E14 Ohm

Dielectric strength
by the criteria of DIN EN 60243-1
17.6 kV/mm

Comparative Tracking Index M
by the criteria of DIN EN 60112
600
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.

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Instructions for use

You can find further details in the instructions for use.

The instructions for use are available on 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

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