DELO-PUR 9692

polyurethane | 2C | room-temperature-curing
pasty, filled | flow-resistant, suitable for DELO-AUTOMIX

Special features of product
▪ compliant with RoHS Directive 2015/863/EU
▪ 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

until initial strength
at rt approx. +23 °C
tensile shear strength 1 - 2 MPa
30    min

until functional strength
at rt approx. +23 °C
tensile shear strength > 10 MPa
2     h

5     min

until functional strength
at +80 °C

until final strength
at rt approx. +23 °C
72    h

10    min

until final strength
at +80 °C

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
5    min

Reaction temperature (max.)

in 100 g batch
60    °C
## Storage life in unopened original container

at +18 °C to +25 °C  
6 month(s)

## Technical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color in cured condition in 1 mm layer thickness</td>
<td>black</td>
</tr>
<tr>
<td>Filler particle type</td>
<td>minerals</td>
</tr>
<tr>
<td>Density of component A</td>
<td>1.47 g/cm³</td>
</tr>
<tr>
<td>Density of component B</td>
<td>1.43 g/cm³</td>
</tr>
</tbody>
</table>

## Parameters

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tensile shear strength</td>
<td>16 MPa</td>
</tr>
<tr>
<td>Based on DIN EN 1465</td>
<td>Al</td>
</tr>
<tr>
<td>Tensile shear strength</td>
<td>23 MPa</td>
</tr>
<tr>
<td>Based on DIN EN 1465</td>
<td>Al</td>
</tr>
<tr>
<td>Peel resistance</td>
<td>6 N/mm</td>
</tr>
<tr>
<td>DELO Standard 38</td>
<td>Steel</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>20 MPa</td>
</tr>
<tr>
<td>Based on DIN EN ISO 527</td>
<td>at approx. +23 °C</td>
</tr>
<tr>
<td>Elongation at tear</td>
<td>3 %</td>
</tr>
<tr>
<td>Based on DIN EN ISO 527</td>
<td>at approx. +23 °C</td>
</tr>
<tr>
<td>Young’s modulus</td>
<td>1500 MPa</td>
</tr>
<tr>
<td>Based on DIN EN ISO 527</td>
<td>at approx. +23 °C</td>
</tr>
<tr>
<td>Shore hardness D</td>
<td>75</td>
</tr>
<tr>
<td>Based on DIN EN ISO 868</td>
<td>at approx. +23 °C</td>
</tr>
<tr>
<td>Ball indentation hardness</td>
<td>60 MPa</td>
</tr>
<tr>
<td>Based on DIN EN ISO 2039-1</td>
<td></td>
</tr>
<tr>
<td>Coefficient of linear expansion</td>
<td>153 ppm/K</td>
</tr>
<tr>
<td>DELO Standard 26</td>
<td>Liquid</td>
</tr>
</tbody>
</table>
Water absorption
Based on DIN EN ISO 62 | at approx. +23 °C | 7 d | Type of storage: Desiccator | Duration: 72 h
0.3 wt. %

Decomposition temperature
DELO Standard 36
194 °C

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

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

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

Comparative tracking index M
Based on DIN IEC 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.

Converting table

°F = (°C × 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

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. 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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