DELO® PHOTOBOND® AD4035

modified acrylate | 1C | UV- / VIS-curing
free of solvents | can be fixed quickly, unfilled

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

Typical area of use
▪ -40 - 120 °C
▪ glass/metal bondings

Curing

Suitable lamp types
LED 365 nm, LED 400 nm, UVA

Typical irradiation time

intensity 55 - 60 mW/cm²
UVA

4 s

Processing

Conditioning time (typical)

when stored in cold conditions
in containers up to 50 ml
30 min

when stored in cold conditions
in containers up to 1,000 ml
4 h

Storage life in unopened original container

at +18 °C to +25 °C
9 month(s)

Technical properties

Color in uncured condition
colorless

Color in cured condition in 0.1 mm layer thickness
colorless

Color in cured condition in 1 mm layer thickness
colorless

Fluorescence
blue fluorescent
<table>
<thead>
<tr>
<th>Parameters</th>
<th>Value</th>
<th>Unit</th>
</tr>
</thead>
<tbody>
<tr>
<td>Density</td>
<td>1.03</td>
<td>g/cm³</td>
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<tr>
<td>Viscosity</td>
<td>5500</td>
<td>mPa·s</td>
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<td>Viscosity</td>
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<td>mPa·s</td>
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<tr>
<td>Compression shear strength</td>
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<td>MPa</td>
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<tr>
<td>DELO Standard 5</td>
<td>Glass</td>
<td>33</td>
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<tr>
<td>Ni</td>
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<td>mW/cm²</td>
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<tr>
<td>PA6</td>
<td>22</td>
<td>MPa</td>
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<tr>
<td>PC</td>
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<tr>
<td>PBT</td>
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<td>MPa</td>
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<tr>
<td>PMMA</td>
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<td>PBT</td>
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<tr>
<td>Tensile strength</td>
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<td>MPa</td>
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<td>Based on DIN EN ISO 527</td>
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<td>Elongation at tear</td>
<td>185</td>
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<tr>
<td>Based on DIN EN ISO 527</td>
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<td>Young's modulus</td>
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<tr>
<td>Based on DIN EN ISO 527</td>
<td>60 mW/cm²</td>
<td>90 s</td>
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</table>
Shore hardness D 65
Based on DIN EN ISO 868 | 60 mW/cm² | 90 s

Glass transition temperature 125 °C
DELO Standard 24 | Rheometer

Shrinkage 8.8 vol. %
DELO Standard 13

Water absorption 1.7 wt. %
Based on DIN EN ISO 62 | Type of storage: Media | Medium: Distilled water | Storage temperature: at approx. +23 °C

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
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.

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