

# DELO PHOTOBOND GB368

**modified acrylate | 1C | UV- / VIS-curing**

free of solvents

## 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
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Recommended irradiation time

<i>intensity 55 - 60 mW/cm<sup>2</sup></i> <i>UVA</i>	15	s
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## Processing

Adhesive application	needle-dispensable
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Storage life in unopened original container

<i>at 0 °C to +25 °C</i>	12	month(s)
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## Technical properties

Color in uncured condition	colorless
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Color in cured condition in 0.1 mm layer thickness	colorless
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Color in cured condition in 1 mm layer thickness	colorless
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## Parameters

Density <i>Liquid</i>	1.0	g/cm <sup>3</sup>
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Viscosity <i>Based on DIN EN 12092   Liquid</i>	5700	mPa·s
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Minimum irradiation time <i>DELO Standard 23   Rheometer   60 mW/cm<sup>2</sup></i>	15	s
Compression shear strength <i>DELO Standard 5   Glass   PMMA   60 mW/cm<sup>2</sup>   60 s</i>	12	MPa
Compression shear strength <i>DELO Standard 5   PC   Al   60 mW/cm<sup>2</sup>   60 s</i>	8	MPa
Compression shear strength <i>DELO Standard 5   PC   Glass   60 mW/cm<sup>2</sup></i>	7	MPa
Compression shear strength <i>DELO Standard 5   PC   PC   60 mW/cm<sup>2</sup>   60 s</i>	6	MPa
Compression shear strength <i>DELO Standard 5   PMMA   PMMA   60 mW/cm<sup>2</sup>   60 s</i>	15	MPa
Compression shear strength <i>DELO Standard 5   Glass   Glass   60 mW/cm<sup>2</sup>   60 s</i>	23	MPa
Compression shear strength <i>DELO Standard 5   Glass   Al   60 mW/cm<sup>2</sup>   60 s</i>	23	MPa
Compression shear strength <i>DELO Standard 5   Glass   ABS   60 mW/cm<sup>2</sup>   60 s</i>	17	MPa
Tensile strength <i>Based on DIN EN ISO 527   60 mW/cm<sup>2</sup>   90 s</i>	20	MPa
Elongation at tear <i>Based on DIN EN ISO 527   60 mW/cm<sup>2</sup>   90 s   Plus   60 mW/cm<sup>2</sup>   90 s</i>	17	%
Young's modulus <i>Based on DIN EN ISO 527   60 mW/cm<sup>2</sup>   90 s   Plus   60 mW/cm<sup>2</sup>   90 s</i>	900	MPa
Shore hardness D <i>Based on DIN EN ISO 868</i>	67	
Glass transition temperature <i>DELO Standard 24   Rheometer</i>	102	°C
Coefficient of linear expansion <i>TMA</i>	236	ppm/K

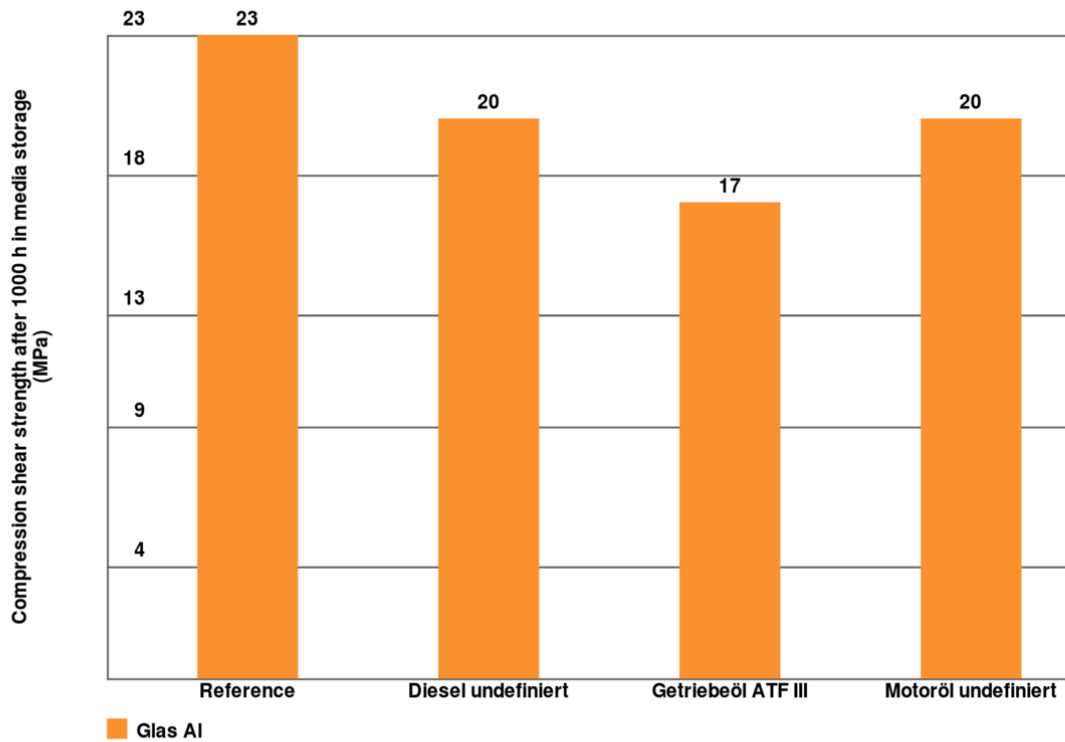
Shrinkage 7 vol. %  
 DELO Standard 13

Water absorption 0.5 wt. %  
 Based on DIN EN ISO 62 | Type of storage: Media | Medium: Distilled water | Temp.: at approx. +23 °C

Index of refraction 1.51  
 Liquid | Refractometer

Decomposition temperature 233 °C  
 DELO Standard 36

Media resistance after 1000 h



**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

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**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. Increasing or decreasing the curing temperature and / or irradiation intensity shortens or prolongs the curing time and can lead to changed physical properties.

All curing or light fixation parameters depend on material thickness and absorption, adhesive layer thickness, lamp type and distance between lamp and adhesive layer.

Values measured after 24 h at approx. 23 °C / 50 % r.h., unless otherwise specified.

**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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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

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## CONTACT

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ADHESIVES

DISPENSING

CURING

CONSULTING

