

DELO®-LOTOS 1

safety glass repair resin

Base

- methacrylate system

Use

- especially suitable for the casting of cracks and gaps in components made of glass or materials translucent in the wavelength range specified
- excellent capillary gap filling capacity
- high resistance to climatic influences
- good chemical resistance to chemicals and the majority of solvents, moderate resistance to methanol, ethanol and acetone
- easy processing
- excellent optical properties
- tacky surface through oxygen inhibition
- a dry surface can be achieved by curing under a thin foil or inert gas, or by rinsing the open adhesive layer in an aqueous cleaning bath or alcohol

Processing

- supplied ready for use
- rational processing from the original container
- the surfaces to be casted must be dry and free of contaminations

Curing

- curing with UVA light in wavelength range of 320 - 400 nm
- completely cured after sufficient irradiation
- the curing parameters are dependent on material thickness and absorption, adhesive layer thickness, lamp type and distance between lamp and adhesive layer

Technical data

Color	transparent crystal clear
Density [g/cm ³] at room temperature (approx. 23 °C)	1.1
Viscosity [mPas] at 23 °C	100 100 cP

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Color value - initial value layer thickness: 1.5 mm	3	
Color value after 1000 h xenon light (2 years sunlight) layer thickness: 1.5 mm	7	
Index of refraction liquid	1.488	
Index of refraction cured product	1.52	
Temperature resistance [°C]	-40 to 120	-40 to 248 °F
Storage life at room temperature (approx. 23 °C) in unopened original container	12 months	

Instructions and advice

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. Many product properties are subject to temperature and may change permanently, especially at high temperatures. It is the user's responsibility to test the suitability of the product for the intended purpose and temperature range of use by considering all specific requirements. Type and 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.

Occupational health and safety

see material safety data sheet

Specification

see quality assurance test report

Converting table

$(^{\circ}\text{C} \times 1.8) + 32 = ^{\circ}\text{F}$
 $\text{mm} / 25.4 = \text{inches}$
 $\mu\text{m} / 25.4 = \text{mil}$
 $\text{g} / 28.3495 = \text{oz.}$
 $\text{Mpa} \times 145 = \text{psi}$
 $\text{mPas} = \text{cP}$
 $\text{N} \times 0.225 = \text{lb.}$