

DELO-CA 2153

methyl ester | 1C | humidity-curing

free of solvents

Special features of product

- compliant with RoHS Directive 2015/863/EU

Typical area of use

- 40 - 100 °C

Curing

Curing time

until initial strength

*in standard climate +23 °C / 50 % r. h.
tensile shear strength 1 - 2 MPa*

15 - 25 s

until final strength

in standard climate +23 °C / 50 % r. h.

24 h

Processing

Gap filling capacity (max.)

0.2 mm

Storage life in unopened original container

at 0 °C to +25 °C

6 month(s)

Technical properties

Color in cured condition in 0.1 mm layer thickness

colorless

Transparency in cured condition in 0.1 mm layer thickness

transparent

Parameters

Density

Liquid

1.1 g/cm³

Viscosity

Based on DIN EN 12092 | Liquid | Viscosimeter

2000 mPa·s

Tensile shear strength

Based on DIN EN 1465 | Al | Al | Pretreatment: sand-blasted | at approx. +23 °C | 72 h

17 MPa

Tensile shear strength <i>Based on DIN EN 1465 PC PC at approx. +23 °C 72 h</i>	10	MPa
Volume resistivity <i>Based on VDE 0303 (30) at approx. +23 °C 72 h</i>	>1xE13	Ohm·cm
Dielectric strength <i>Based on DIN EN60243-1</i>	12	kV/mm
Relative permittivity <i>Based on VDE 0303-4 at approx. +23 °C 72 h</i>	5.2	

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 mPas
1 oz = 28.3495 g	1 N = 0.225 lb

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. The activator DELO-QUICK 2002 is used to accelerate the curing process. 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. 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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