

DELO[®]-GUM 3697

acetic-acid-decomposing silicone rubber | 1C | room-temperature-curing

free of solvents | tension-equalizing, self-leveling, very good temperature resistance

Special features of product

- compliant with RoHS Directive 2015/863/EU
- RTV-1 silicone

Function

- sealant
- encapsulant / potting compound

Typical area of use

- -50 - 180 °C

Curing

Skin formation time

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

10 - 20 min

Cured layer per 24 h

at +23 °C / 50 % relative air humidity

2 mm

Processing

Storage life in unopened original container

*up to <= 310 ml
at +15 °C to +30 °C*

12 month(s)

Technical properties

Color in cured condition in 1 mm layer thickness

whitish

Transparency in cured condition in 1 mm layer thickness

transparent

Decomposition product

acetic acid

Parameters

Density

DELO Standard 13 | liquid

1.1 g/cm³

Viscosity

Based on DIN 54453 | liquid | Viscosimeter

350000

Tensile strength <i>Based on DIN EN ISO 527 at approx. +23 °C 9 d</i>	5	MPa
Elongation at tear <i>Based on DIN EN ISO 527 at approx. +23 °C 9 d</i>	500	%
Shore hardness A <i>Based on DIN EN ISO 868 at approx. +23 °C 7 d</i>	28	
Shrinkage <i>DELO Standard 13 liquid</i>	3	vol. %
Water absorption <i>Based on DIN EN ISO 62 at approx. +23 °C 7 d Type of storage: Media Medium: Distilled water Duration: 24 h</i>	0.06	wt. %
Volume resistivity <i>Based on VDE 0303-3 liquid</i>	>1xE13	Ohm·cm
Dielectric strength <i>Based on VDE 0303-2 liquid</i>	21	kV/mm
Creep resistance CTI M <i>Based on VDE 0303-1 liquid</i>	600	

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 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. Curing requires a minimum air humidity of 50 % r. h.

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.

Specification

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