

DELO[®]-GUM CR3010

oxime-crosslinking silicone rubber | 1C | room-temperature-curing

free of solvents | no corrosive effect, neutral-crosslinking, tension-equalizing, flowable, very good temperature resistance

Special features of product

- compliant with RoHS Directive 2015/863/EU
- compliant with limits of VOC content in adhesive acc. to GB33372-2020
- RTV-1 silicone

Function

- encapsulant / potting compound
- electronic encapsulant
- sealant

Typical area of use

- -50 - 180 °C

Curing

Skin formation time

in standard climate +23 °C / 50 % r. h. 11 min

Cured layer per 24 h

at +23 °C / 50 % relative air humidity 4 mm

Processing

Storage life in unopened original container

*up to <= 310 ml
at +15 °C to +30 °C* 6 month(s)

Technical properties

Transparency translucent

Color in cured condition in 1 mm layer thickness whitish

Decomposition product oxime

Parameters

Density 1.00 g/cm³
liquid

| | | |
|--|-------|--------|
| Viscosity <i>liquid Viscosimeter</i> | 17000 | mPa·s |
| Tensile strength <i>by the criteria of DIN EN ISO 527</i> | 0.2 | MPa |
| Elongation at tear <i>by the criteria of DIN EN ISO 527</i> | 110 | % |
| Shore hardness 00 <i>by the criteria of DIN EN ISO 868</i> | 54 | |
| Shore hardness A <i>by the criteria of DIN EN ISO 868</i> | 18 | |
| Shrinkage <i>DELO Standard 13</i> | 3 | vol. % |
| Water absorption <i>by the criteria of DIN EN ISO 62</i> | 0.06 | wt. % |
| Surface resistance | >1E14 | Ohm |

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.

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

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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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