

DELO[®]-GUM SJ3097

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

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. 8 min

Cured layer per 24 h

at +23 °C / 50 % relative air humidity 2 mm

Processing

Storage life in unopened original container

*up to <= 1 l
at +15 °C to +30 °C* 12 month(s)

at +15 °C to +30 °C 6 month(s)

Technical properties

Color in cured condition in 1 mm layer thickness whitish

Transparency in cured condition in 1 mm layer thickness translucent

Decomposition product amine

Parameters

Density
liquid 1 g/cm³

Viscosity <i>liquid Viscosimeter</i>	119000	mPa·s
Tensile strength <i>Based on DIN EN ISO 527 at approx. +23 °C 7 d Rel. air humidity: 50 %</i>	0.4	MPa
Elongation at tear <i>Based on DIN EN ISO 527 at approx. +23 °C 7 d Rel. air humidity: 50 %</i>	280	%
Shore hardness 00 <i>Based on DIN EN ISO 868 at approx. +23 °C 168 h</i>	40	
Shrinkage <i>DELO Standard 13 at approx. +23 °C 168 h</i>	3	vol. %
Water absorption <i>Based on DIN EN ISO 62 at approx. +23 °C 168 h Type of storage: Media Medium: Distilled water Storage temperature: at approx. +23 °C Duration: 24 h</i>	0.14	wt. %
Dielectric strength <i>at approx. +23 °C 168 h</i>	15	kV/mm
Relative permittivity <i>Based on DIN 53483-2 at approx. +23 °C 168 h 100 kHz</i>	3.25	
Relative permittivity <i>Based on DIN 53483-2 at approx. +23 °C 168 h 1 MHz</i>	3.17	
Relative permittivity <i>Based on DIN 53483-2 at approx. +23 °C 168 h 1 kHz</i>	3.27	

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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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

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

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 regarding the use, unless otherwise agreed in writing. This limitation of liability is not applicable for damages resulting from intent, gross negligence or culpable breach of cardinal obligations, nor shall it apply in case of death or personal injury or in case of liability under any applicable compulsory law.

CONTACT

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ADHESIVES

DISPENSING

CURING

CONSULTING

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