

### DELO-GUM® 3597

#### Base

- amine interlacing silicone rubber (RTV-1 silicone rubber)
- one-part

#### Curing

- cures at room temperature, under influence of humidity, to a permanently elastic material
- a small amount of amine is separated during curing (polycondensation)
- curing begins first at the surface of the silicone (contact with the humidity) by forming a dry skin already within a few minutes
- deep-curing of the silicone rubber proceeds with approx. 2 mm / 24 h

#### Use

- especially suitable for elastic, tension equalizing sealing and bonding of same and different materials
- preferably used in electronics as well as mechanical engineering and glass design
- leading characteristics: amine interlacing (alkaline), high temperature resistance, good bonding adhesion on different materials, good notch resistance, self-levelling, for casting applications

#### Application

- supplied ready for use and best applied from the bottle or cartridge
- for efficient product application we recommend DELO dispensing units
- surfaces to be bonded should be dry, free from dust, grease and other contaminants
- DELOTHEN cleaners are recommended for cleaning

#### Technical data

colour	milky transparent
by-product	amine
density [g/cm <sup>3</sup> ] at room temperature (approx. 23 °C)	1.0
viscosity [mPas] brookfield at 23 °C	350000
processing temperature [°C]	+5 to +35
skin formation time [min] at 23 °C / 50 % relative humidity	approx. 5
deep curing [mm/24 h] at 23 °C / 50 % relative humidity	2
tensile strength [MPa] DIN EN ISO 527	1.6

elongation at tear [%] DIN EN ISO 527	400
shore hardness A DIN 53505	16
shrinkage [vol. %] standard DELO 13	approx. 3
water absorption [weight %] DIN EN ISO 62, 24 h at room temperature (approx. 23 °C)	0.23
recommended long-time temperature range of use [°C]	-50 to +180
breakdown voltage [kV/mm] VDE 0303, part 2	15
dielectric constant VDE 0303, part 4	2.9 - 2.7 (50 - 70 Hz)
storage life at room temperature (approx. 23 °C) in unopened original container	12 months

## **Recommendations**

### **General**

The data and information provided are based on tests performed under laboratory conditions. Reliable information about the behaviour of the product under practical conditions and its suitability for a specific purpose cannot be concluded from this.

It is the user's responsibility to test the suitability of the product for the intended purpose 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 behaviour of the product compared to its behaviour 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.

### **Instruction for use**

The instruction for use is available under following address: [www.DELO.de](http://www.DELO.de). If requested we will also be pleased to send it to you.

### **Industrial health and safety standards**

see material safety data sheet

### **Specification**

see quality assurance certificate