

DELO-GUM® SI480

Base

- oxime interlacing silicone rubber (RTV-1 silicone-rubber)
- one-part, solvent-free

Curing

- curing to a permanently flexible material at room temperature, started by atmospheric humidity
- a small amount of oxime is separated during curing (polycondensation)
- curing starts on the surface of the silicone (contact with atmospheric humidity), whereas after only a few minutes a dry skin is formed
- curing of the silicone rubber with approx. 2 mm / 24 h

Use

- especially suitable for elastic, tension equalizing sealing and bonding of same or different materials
- preferably used in electronics as well as mechanical engineering and glass design
- leading characteristics: neutral interlacing, no corrosion of by-product, ideal for using in microelectronics, high temperature resistance, good bonding adhesion on different materials, low viscosity, optimal flow properties 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	oxime
density [g/cm ³] at room temperature (approx. 23 °C)	1.0
viscosity [mPas] brookfield at 23 °C	17000
processing temperature [°C]	+5 to +35
skin formation time [min] at 23 °C / 50 % relative humidity	10 - 20
deep curing [mm/24 h] at 23 °C / 50 % relative humidity	2

tensile strength [MPa] DIN EN ISO 527	0.2
elongation at tear [%] DIN EN ISO 527	95
shore hardness A DIN 53505	16
shrinkage [vol. %] standard DELO 13	approx. 5
water absorption [weight %] DIN EN ISO 62, 24 h at room temperature (approx. 23 °C)	0.06
recommended long-time temperature range of use [°C]	-50 to +180
specific volume resistance [Ωcm] VDE 0303, part 3	1.2xE15
surface resistance [Ω] VDE 0303, part 3	9.1xE12
breakdown voltage [kV/mm] VDE 0303, part 2	19.0
dielectric constant VDE 0303, part 4, 1 MHz	2.42
creep resistance CTI VDE 0303, part 1, IEC 112	> 600 M
storage life at room temperature (approx. 23 °C) in unopened original container	6 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. 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