

TECHNO-SIL S41

Technical specification

Application temperature	°C	200
Short term stress	°C	220
Density	kg/m ³	1050
Consistency		pasty
Viscosity	mPas	85000
Tear strength	N/mm ²	5
Elongation after fracture (DIN 53504)	%	550
Elasticity modulus 100% (DIN 53504)	N/mm ²	0.7
Shore A hardness (DIN 53505)		30
Storage		frost free
Delivery form (cartridge) Other delivery forms on inquiry	ml	310
Colour		transparent

TECHNO-SIL S41 is a one-pack, atmospheric humidity hardening silicone rubber with self-levelling properties. It stands out by its rapid curing and powerful adhesion to many working materials, and by its high tear and notch resistance. During curing, small amounts of acetic acid are set free. In its final state, **TECHNO-SIL S41** is completely odourless.

Fields of application:

Stress equalising bonding of identical and dissimilar materials, such as glass, plastic, special steel, aluminium.

Instructions for application:

TECHNO-SIL S41 is ready for use and can be applied immediately after opening the container. The parts to be bonded must be clean, free from grease, and dry. In the case of plastics, particular attention should be paid to mould-separator residues or tool conservatives. For cleaning we

recommend, for example, steam degreasing plants, alkaline washing or cleaning agent T. No intermediate waiting times are necessary when using adhesion promoters (Primer) from the **TECHNO-SIL** program.

- (1) We are able to supply special formats and special thicknesses on request. We will be pleased to manufacture stampings, milled parts or cuttings according to your drawings.
- (2) The classification temperature is not to be equated with the maximum application temperature, in particular when physical conditions such as tensile or pressure loads are involved. For applications as high-temperature insulation, lower temperatures must always be applied. In these cases, our Engineering department will offer assistance and support.
- (3) Heat transmission calculations for this material can be requested from our Engineering department.

The information contained in this publication serves only for purposes of clarification, and is not intended to form the basis of contractual obligations.

Further information and advice on specific details of the products described can be obtained in writing from Techno-Physik Eng. GmbH (Germany). The TechnoPhysik Group is consistently running product development programmes and reserves the right to modify product specifications at any time without notice. The customer/user is thus always obliged to ensure that the material form Techno-Physik Eng. GmbH is suitable for his specific purposes. The specified values are average figures determined from current production and are intended only for information. Warranty claims cannot be derived from these figures. We recommend to test the material for your application.

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