

TECHNO-SIL 300

Technical specification

Application temperature	°C	290
Short term stress	°C	300
Density	kg/m ³	1200
Consistency		pasty
Tensile strength (DIN 53504; S3A)	N/mm ²	2.4
Elongation after fracture (DIN 53504; S3A)	N/mm ²	220 (±20)
Storage		frost free
Delivery form (cartridge) Other delivery forms on inquiry	ml	310
Colour		red-brown

TECHNO-SIL 300 is a silicone based product which can be used at temperatures up to 300 °C.

TECHNO-SIL 300 features good surface adhesion on glass, ceramic and metals. No acetic acid odour is released during hardening. The bonded joint is resistant to oxidising as well as to reducing atmospheres.

Application fields:

Bonding of metal, glass and ceramic materials as well as bonding of plastics and elastomers.

- (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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