Type SIL300PTFE

Highly flexible and extremely durable silicone hose with white PTFE tube

Product name	marsoflex® Type SIL300PTFE
Description	Our marsoflex® type SIL300PTFE can be used as a suction hose and a pressure hose for cosmetic, pharmaceutical and food products, chemicals and solvents, except for chlorine trifluorides, chlorine and fluorine gas, oxygen, difluorides, phosgenes and molten alkali metals (e.g. sodium). The high temperature-resistant hose can be used as a flexible connection between lines or systems. The hose is used in the chemical, pharmaceutical, cosmetic and food industries, where flexible hoses are required. The hose is made of high-quality elastomers with excellent chemical and mechanical properties. Not suitable for use as implant material. Not usable for blood or body fluids.
properties	Phthalate-free, tested according to 1907/2006/CE (REACH). Complies with USP XXXVI class VI,not cytotoxic according to ISO 10993 Section 5:2009. Suction and pressure hose (675mmHg)

Hose tube	PTFE (polytetrafluorethylene) white, smooth, phthalate-free, tested according to 1907/2006/EC (REACH). PTFE is a polymer with excellent resistance against high temperatures, mechanical stress and oxidation. It complies with FDA 21 CFR 177.1550, USP XXXVI class VI, ISO 10993 sections 5,10, 11:2009, European ordinance(EU) no. 1935/2004 and (EU) no. 10/2011, 3A Sanitary Standard Class II
Reinforcement	Synthetic textile reinforcement, stainless steel wire spiral
Hose cover	Silicone, smooth, white. Corresponds to FDA CFR 21 177.2600, BfR recommendation XV, European Regulation 1935/2001/EC. Resistant against heat, abrasion, ageing and ozone.
Application temperature	-40 °C / +150 °C (-40 °F / +302 °F) the operating temperature of the hose directly depends on the medium to be transported and the contact period.
Special version	Proof of suitability for the highest requirements for cleanliness - extractables study -

Your notes

Order number	ID [mm]	OD [mm]	Operating pressure [bar]	Bursting pressure [bar]	Bending radius [mm]
SIL30013PTFE	13.0	24.0	10	40	45
SIL30019PTFE	19.0	30.0	10	40	70
SIL30025PTFE	25.0	36.0	10	40	90
SIL30032PTFE	32.0	43.0	8	32	120
SIL30038PTFE	38.0	50.0	7	28	140
SIL30050PTFE	50.0	62.0	7	28	180
SIL30063PTFE	63.5	79.5	6	24	320
SIL30075PTFE	75.0	91.0	5	20	380
SIL300100PTFE	100.0	117.0	4	16	580

The values stated above refer to the ambient temperature (20 °C); we recommend reducing the operating pressure by 20% for each temperature increase of 100 °C.

Other nominal diameters on request

Subject to errors and technical changes