Type SIL350PTFE

Highly flexible and extremely durable silicone hose with conductive PTFE tube

Product name	marsoflex® Type SIL350PTFE
Description	Our marsoflex® type SIL350PTFE 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 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) black, anti-static, 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
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 1935/2004. 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 -

Order number	ID [mm]	OD [mm]	Operating pressure [bar]	Bursting pressure [bar]	Bending radius [mm]
SIL35013PTFE	13	24.0	10	40	45
SIL35019PTFE	19	30.0	10	40	70
SIL35025PTFE	25	36.0	10	40	90
SIL35032PTFE	32	43.0	8	32	120
SIL35038PTFE	38	50.0	7	28	140
SIL35050PTFE	50	62.0	7	28	180
SIL35063PTFE	63.5	79.5	6	24	320
SIL35075PTFE	75	91.0	5	20	380
SIL350100PTFE	100	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

Your notes