

## TUFLUOR® PTFE SIL

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- SMOOTH, WHITE, HEAT RESISTANT, GLOSSY COVER SILICONE
- STAINLESS STEEL WIRE HELICES
- SYNTHETIC PLIES
- SMOOTH, CO-EXTRUDED CLEAR/WHITE PIGMENTED TEFLON™ PTFE

### TECHNICAL CHARACTERISTICS

**Temperature range :** -40°C / +150°C ( -40°F / +302°F )

The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

**Norm :** ISO 1307 for dimensional tolerances



Suction and delivery hose for food, cosmetic and pharmaceutical products, chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium). Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Not intended for use as an implant material. Not suitable for blood or human fluids

### DESCRIPTION

#### Tube

TEFLON™ PTFE, co-extruded clear/white pigmented, smooth, phthalates free, tested in compliance with 1907/2006/CE (REACH). TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It complies with FDA 21 CFR 177.1550 standards, USP XXXVI class VI, ISO 10993 Sections 5,10,11:2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE, 3A Sanitary Standard Class II

#### Reinforcement

synthetic plies, stainless steel wire helices, on request a/s wires to discharge static electricity

#### Cover

smooth, silicone, white. Meets FDA CFR 21 PART 177.2600, BfR Recommendation XV, European Reglement 1935/2004/CE. Heat, abrasion, ageing and ozone resistant, glossy cover

#### Sterilization

refer to guidelines for cleaning and sanitizing on Tudertechnica website

#### Marking

TUDERTECHNICA TUFLUOR® PTFE SIL

| Inside diameter |      | Outside diameter |      | Vacuum |       | Length |      | Working pressure |       | Burst pressure |       | Appr. weight |          | Bending radius |       |
|-----------------|------|------------------|------|--------|-------|--------|------|------------------|-------|----------------|-------|--------------|----------|----------------|-------|
| [mm]            | [in] | [mm]             | [in] | [bar]  | [psi] | [m]    | [ft] | [bar]            | [psi] | [bar]          | [psi] | [kg/mt]      | [lbs/ft] | [mm]           | [in]  |
| 13              | 0,50 | 24               | 0,94 | 0,9    | 13    | 10     | 32,5 | 10               | 150   | 40             | 600   | 0,47         | 0,31     | 45             | 1,77  |
| 19              | 0,75 | 30               | 1,18 | 0,9    | 13    | 10     | 32,5 | 10               | 150   | 40             | 600   | 0,61         | 0,41     | 70             | 2,76  |
| 25              | 1,00 | 36               | 1,42 | 0,9    | 13    | 10     | 32,5 | 10               | 150   | 40             | 600   | 0,76         | 0,51     | 90             | 3,54  |
| 32              | 1,25 | 43               | 1,69 | 0,9    | 13    | 10     | 32,5 | 8                | 120   | 32             | 480   | 0,93         | 0,62     | 120            | 4,72  |
| 38              | 1,50 | 50               | 1,97 | 0,9    | 13    | 10     | 32,5 | 7                | 105   | 28             | 420   | 1,26         | 0,84     | 140            | 5,51  |
| 50              | 1,97 | 62               | 2,44 | 0,9    | 13    | 10     | 32,5 | 7                | 105   | 28             | 420   | 1,60         | 1,07     | 180            | 7,09  |
| 63,5            | 2,50 | 79,5             | 3,13 | 0,9    | 13    | 10     | 32,5 | 6                | 90    | 24             | 360   | 2,69         | 1,80     | 320            | 12,60 |
| 75              | 2,95 | 91               | 3,58 | 0,9    | 13    | 10     | 32,5 | 5                | 75    | 20             | 300   | 3,24         | 2,17     | 380            | 14,96 |
| 100             | 3,94 | 117              | 4,61 | 0,9    | 13    | 10     | 32,5 | 4                | 60    | 16             | 240   | 5,06         | 3,39     | 580            | 22,84 |

Data refer to ambient temperature (20°C); we recommend a reduction of 20% working pressure for every 100°C of temperature increase. Other diameters, wall thickness and pressure only on specific request.

Available also with Teflon™ PTFE black tube (contact Tudertechnica for datasheet).