

# Technical data sheet



|                               |   |
|-------------------------------|---|
| <b>Trade name:</b>            | ☉ <b>marsoflex</b> <sup>®</sup> SIL 350 PTFE  |
| <b>Description:</b>           | <p>Our ☉ <b>marsoflex</b><sup>®</sup> SIL 350 PTFE can be used as a suction and pressure hose for all kinds of cosmetic, pharmaceutical and food products, chemicals and solvents, except chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and liquid alkalis (e.g. sodium). The hose, which is resistant to high temperatures, is suitable as a flexible connection between pipes or systems. The hose can be used in the chemical, pharmaceutical, cosmetic and food industries wherever flexible hoses are required.</p> <p>Cannot be used for blood or human fluids and as an implant material.</p> |
| <b>Properties:</b>            | <p>Free of phthalates, tested according to 1907/2006/CE (REACH). Corresponds to USP XXXVI Class VI, not cytotoxic according to ISO 10993 Section 5:2009.</p> <p>Suction and pressure hose (675mmHg)</p>   |
| <b>Inner tube:</b>            | <p>TEFLON<sup>™</sup> PTFE, black, antistatic, smooth, phthalate-free, tested according to 1907/2006/CE (REACH). TEFLON<sup>™</sup> PTFE is a polymer with excellent resistance to high temperatures, mechanical strain and oxidation. It complies with FDA 21 CFR 177.1550, USP XXXII class VI, ISO 10993 Sections 5,10,11:2009, European Regulation (EU) No. 1935/2004 and (EU) No. 10/2011.</p>  |
| <b>Inlay:</b>                 | Synthetic textile inlay, stainless steel spiral   |
| <b>Hose cover:</b>            | Smooth silicone, white. Complies with FDA CFR 21 177.2600, BfR recommendation XV, European Regulation 1935/2004. Resistant to heat, abrasion, ageing and ozone.   |
| <b>Operating temperature:</b> | <p>-40 °C / +150 °C (-40 °F / +302 °F)</p> <p>The operating temperature of the hose is directly dependent on the medium being conveyed and the contact time.</p>  |



# Technical data sheet

## Dimensions:

| Item number    | ID [mm] | OD [mm] | Working pressure [bar] 20 °C | Burst pressure [bar] 20 °C | Bending radius [mm] | Weight [kg/m] |
|----------------|---------|---------|------------------------------|----------------------------|---------------------|---------------|
| SIL35013APTFE  | 13      | 24      | 10                           | 40                         | 45                  | 0.47          |
| SIL35019APTFE  | 19      | 30      | 10                           | 40                         | 70                  | 0.61          |
| SIL35025APTFE  | 25      | 36      | 10                           | 40                         | 90                  | 0.76          |
| SIL35032APTFE  | 32      | 43      | 8                            | 32                         | 120                 | 0.93          |
| SIL35038APTFE  | 38      | 50      | 7                            | 28                         | 140                 | 1.26          |
| SIL35050APTFE  | 50      | 62      | 7                            | 28                         | 180                 | 1.60          |
| SIL35063APTFE  | 63.5    | 79.5    | 6                            | 24                         | 320                 | 2.69          |
| SIL35075APTFE  | 75      | 91      | 5                            | 20                         | 380                 | 3.24          |
| SIL350100APTFE | 100     | 117     | 4                            | 16                         | 580                 | 5.06          |

The above values refer to ambient temperature (20 °C); we recommend a 20% operating pressure reduction for every 100 °C temperature increase.

