

Technical data sheet



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|-------------------------------|--|
| Trade name: | marsoflex [®] SIL 350 PTFE |
| Description: | <p>Our marsoflex[®] 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> |
| Properties: | <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> |
| Inner tube: | <p>TEFLON[™] PTFE, black, antistatic, smooth, phthalate-free, tested according to 1907/2006/CE (REACH). TEFLON[™] 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> |
| Inlay: | Synthetic textile inlay, stainless steel spiral |
| Hose cover: | <p>Smooth silicone, white. Complies with FDA CFR 21 177.2600, BfR recommendation XV, European Regulation 1935/2004. Resistant to heat, abrasion, ageing and ozone.</p> |
| Operating temperature: | <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> |

We reserve the right to make changes based on the current technical status without notice. This technical data sheet can and is only intended to provide non-binding advice. Due to the wide variety of installation and operating conditions and application and process engineering in use, this data sheet can only be regarded as a non-binding guideline and does not exempt the user from the need to test the suitability of this product for the intended processes and purposes. No warranty claims can therefore be derived from this information. We guarantee that all our products will be in perfect condition in accordance with our general sales and delivery conditions.



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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.

