



## TUSIL® BRIGHT PREMIUM



SMOOTH, GLOSSY, TRANSLUCENT,  
HEAT RESISTANT SILICONE

STAINLESS STEEL WIRE HELIX

HIGH TEMPERATURE  
RESISTANT TEXTILES

TRANSLUCENT SILICONE

### TECHNICAL CHARACTERISTICS

**Temperature range :** -60°C / +200°C ( -76°F / +392°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



refer to guidelines for cleaning and sanitizing  
on Tudertechnica website



Suction and delivery hose suitable for cosmetic, pharmaceutical and food products. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). Manufactured according to GMP (Reg. (CE) 2023/2006). Not intended for use as an implant material. Not suitable for blood or human fluids.

### DESCRIPTION

#### Tube

platinum-cured silicone, translucent, phthalates free, tested in compliance with 1907/2006/CE (REACH). Meets FDA 21 CFR 177.2600; USP class VI main requirements; European Pharmacopoeia ed. 8.1/2014 3.1.9; ISO 10993 - 4:2017, 5:2009, 12:2012; BfR XV; REGULATION 1935/2004/CE; Japan Ministry of Health and Welfare Notice No.370,1959, No.201,2006 and revision 2012; 3-A RPSCQC for (62-02) Hose Assemblies; Arrêté du 25 novembre 1992.

#### Reinforcement

high temperature resistant textiles, stainless steel wire helix

#### Cover

smooth, platinum-cured silicone, translucent, glossy cover. Heat, ageing and ozone resistant

#### Marking

TUDERTECHNICA TUSIL® BRIGHT PREMIUM

| Inside diameter |      | Outside diameter |      | Vacuum |       | Working pressure |       | Burst pressure |       | Appr. weight |          | Bending radius |      |
|-----------------|------|------------------|------|--------|-------|------------------|-------|----------------|-------|--------------|----------|----------------|------|
| [mm]            | [in] | [mm]             | [in] | [bar]  | [psi] | [bar]            | [psi] | [bar]          | [psi] | [kg/mt]      | [lbs/ft] | [mm]           | [in] |
| 13              | 0,50 | 24               | 0,94 | 0,9    | 13    | 15               | 225   | 45             | 675   | 0,40         | 0,27     | 60             | 2,36 |
| 16              | 0,63 | 27               | 1,06 | 0,9    | 13    | 14               | 210   | 42             | 630   | 0,48         | 0,32     | 70             | 2,76 |
| 19              | 0,75 | 30               | 1,18 | 0,9    | 13    | 13               | 195   | 39             | 585   | 0,55         | 0,37     | 80             | 3,15 |
| 25              | 1,00 | 36               | 1,42 | 0,9    | 13    | 10               | 150   | 30             | 450   | 0,70         | 0,47     | 100            | 3,94 |
| 32              | 1,25 | 43               | 1,69 | 0,9    | 13    | 8                | 120   | 24             | 360   | 0,84         | 0,56     | 130            | 5,12 |
| 38              | 1,50 | 51               | 2,00 | 0,9    | 13    | 7                | 105   | 21             | 315   | 1,20         | 0,81     | 155            | 6,10 |
| 51              | 2,00 | 64               | 2,52 | 0,9    | 13    | 6                | 90    | 18             | 270   | 1,55         | 1,04     | 210            | 8,27 |

Data refer to ambient temperature (20°C); we recommend a reduction of 20% working pressure for every 100°C of temperature increase.  
Also available as CRUSH RESISTANT with thermoplastic helix. **We reserve the right to supply in random lengths shorter than 40mt.**

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