



TUPHARM® PTFE SIL

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WHITE, HEAT RESISTANT, GLOSSY, PLATINUM-CURED SILICONE

SHINY STAINLESS STEEL WIRE HELICES

SYNTHETIC PLYS

SMOOTH, CO-EXTRUDED CLEAR/WHITE PIGMENTED TEFLON™ PTFE

Suction and delivery hose manufactured, tested and packed in a controlled cleanroom (ISO 14644 class 8) for pharmaceutical, cosmetic and food products, chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium). Designed for the pharmaceutical, cosmetic, chemical and foodstuff industries, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). Manufactured according to GMP (Reg. (CE) 2023/2006). Extractables & leachables testing available. 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 oxidation. It complies with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies.

Reinforcement

synthetic plies, shiny stainless steel wire helices

Cover

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

Marking

TUDERTECHNICA TUPHARM® PTFE SIL

TECHNICAL CHARACTERISTICS

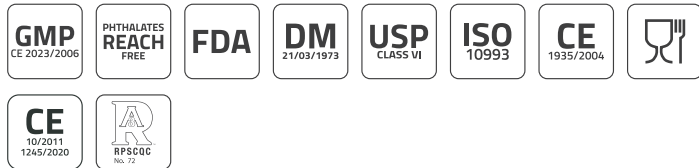
Temperature range : -40°C / +150°C (-40°F / +302°F)

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



refer to guidelines for cleaning and sanitizing on Tudertecnica website



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	12	180	48	720	0,52	0,35	45	1,77
19	0,75	30	1,18	0,9	13	11	165	44	660	0,67	0,45	70	2,76
25	1,00	36	1,42	0,9	13	10	150	40	600	0,82	0,55	90	3,54
32	1,25	43	1,69	0,9	13	8	120	32	480	1,00	0,67	120	4,72
38	1,50	50	1,97	0,9	13	7	105	28	420	1,16	0,78	140	5,51
50	1,97	62	2,44	0,9	13	7	105	28	420	1,46	0,98	180	7,09

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

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