

TUFLUOR® EVOLUTION

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- SMOOTH, GREEN, CLOTH FINISH
- 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 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, a/s copper wires to discharge static electricity

Cover

smooth, green, abrasion, ageing and ozone resistant, cloth

Sterilization

refer to guidelines for cleaning and sanitizing on Tudertechnica website

Marking

TUDERTECHNICA TUFLUOR® EVOLUTION

Inside diameter		Outside diameter		Vacuum		Length		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[bar]	[psi]	[mt]	[ft]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
13	0,50	25	1,00	0,9	13	40	130	10	150	40	600	0,51	0,34	75	2,95
19	0,75	31	1,22	0,9	13	40	130	10	150	40	600	0,66	0,44	110	4,33
25	1,00	37	1,46	0,9	13	40	130	10	150	40	600	0,81	0,54	150	5,91
32	1,25	44	1,73	0,9	13	40	130	10	150	40	600	1,11	0,74	200	7,87
38	1,50	51	2,00	0,9	13	40	130	10	150	40	600	1,35	0,90	240	9,45
50	1,97	66	2,60	0,9	13	40	130	10	150	40	600	2,06	1,38	320	12,60

Other diameters, wall thickness, cover colours and pressure only on specific request. Data refer to ambient temperature (20°C).