



TUFLUOR® PTFE BIOTECH

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- SMOOTH, WHITE WITH CONDUCTIVE CHIPS, LOW FRICTION, GLOSSY COVER
- STAINLESS STEEL WIRE HELICES
- SYNTHETIC PLIES
- SMOOTH, BLACK, CONDUCTIVE 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.

Electrical properties : type Ω/T according to norm EN 12115 (R<10⁶ Ω, R<10⁹ Ω through the hose wall)

Norm : EN12115

Suction and delivery hose designed according to EN 12115 standards for food, cosmetic and pharmaceutical products, 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. Tested and certified hose by INERIS for use in Atex area (Ex-Zone).

DESCRIPTION

Tube

TEFLON™ PTFE, black, conductive, 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 XXXII class VI, ISO 10993 Sections 5,10,11:2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE

Reinforcement

synthetic plies, stainless steel wire helices, a/s wire to discharge static electricity

Cover

smooth, white with conductive chips, low friction material, non-marking when dragged on the floor, oil, chemical, abrasion, ageing and ozone resistant, easy to clean, glossy cover. Meets FDA 21 cfr 177.1520, BfR cat III, DM 21.03.73 e seguenti, EUROPEAN REGLEMENT 1935/2004/CE

Sterilization

refer to guidelines for cleaning and sanitizing on Tudertecnica website



Marking

red/white/blue tape

TUDERTECHNICA TUFLUOR® PTFE BIOTECH

embossed according to norm EN 12115

TUDERTECHNICA PTFE EN12115:2011 DN SD PN 16 BAR Ω /T Q/Y

Inside diameter		Outside diameter		Vacuum		Length		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[bar]	[psi]	[m]	[ft]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
13	0,50	25	1,00	0,9	13	40	130	16	250	64	1000	0,54	0,36	90	3,54
19	0,75	31	1,22	0,9	13	40	130	16	250	64	1000	0,70	0,47	130	5,12
25	1,00	37	1,46	0,9	13	40	130	16	250	64	1000	0,86	0,58	170	6,69
32	1,25	44	1,73	0,9	13	40	130	16	250	64	1000	1,17	0,78	220	8,66
38	1,50	51	2,00	0,9	13	40	130	16	250	64	1000	1,35	0,90	260	10,24
50	1,97	66	2,60	0,9	13	40	130	16	250	64	1000	2,25	1,51	345	13,58
63,5	2,50	79,5	3,13	0,9	13	20	65	16	250	64	1000	2,90	1,94	440	17,32
75	2,95	91	3,58	0,9	13	20	65	16	250	64	1000	3,88	2,60	520	20,47
100	3,94	116	4,57	0,9	13	20	65	12	185	48	750	4,60	3,08	675	26,57

Data refer to ambient temperature (20 °C).

Available also with Teflon™ PTFE co-extruded clear/white pigmented (contact Tudertecnica for datasheet).