



## 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<10<sup>5</sup> Ω, R<10<sup>9</sup> Ω through the hose wall)

**Norm** : EN12115



refer to guidelines for cleaning and sanitizing on Tudertecnica website



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. Tested and certified hose by BUREAU VERITAS for use in Atex area (Ex-Zone). 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

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 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.

#### 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, easy to clean, glossy. Oil, chemical, abrasion, ageing and ozone resistant. Meets FDA 21 CFR 177.1520

#### 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		Length		Vacuum		Working pressure		Burst pressure		Appr. weight		Bending radius	
[mm]	[in]	[mm]	[in]	[mt]	[ft]	[bar]	[psi]	[bar]	[psi]	[bar]	[psi]	[kg/mt]	[lbs/ft]	[mm]	[in]
13	0,50	25	1,00	40	130	0,9	13	16	250	64	1000	0,54	0,36	90	3,54
19	0,75	31	1,22	40	130	0,9	13	16	250	64	1000	0,70	0,47	130	5,12
25	1,00	37	1,46	40	130	0,9	13	16	250	64	1000	0,86	0,58	170	6,69
32	1,25	44	1,73	40	130	0,9	13	16	250	64	1000	1,17	0,78	220	8,66
38	1,50	51	2,00	40	130	0,9	13	16	250	64	1000	1,35	0,90	260	10,24
50	1,97	66	2,60	40	130	0,9	13	16	250	64	1000	2,25	1,51	345	13,58
63,5	2,50	79,5	3,13	20	65	0,9	13	16	250	64	1000	2,90	1,94	440	17,32
75	2,95	91	3,58	20	65	0,9	13	16	250	64	1000	3,88	2,60	520	20,47
100	3,94	116	4,57	20	65	0,9	13	16	250	64	1000	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). We reserve the right to supply in random lengths shorter than 40mt or 20mt.