



# TUFLUOR® PTFE CHEM

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- SMOOTH, BLACK, CONDUCTIVE, CLOTH FINISH EPDM
- STAINLESS STEEL WIRE HELICES
- SYNTHETIC PLYS
- SMOOTH, CO-EXTRUDED CLEAR/WHITE PIGMENTED TEFLON™ PTFE

Suction and delivery hose designed according to EN 12115 standards 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. 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

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; 3A Sanitary Standard 20-27.

### Reinforcement

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

### Cover

smooth, EPDM, black, conductive, cloth finish. Abrasion, ageing and ozone resistant

### Marking

red/white/blue tape

TUDERTECHNICA TUFLUOR® PTFE CHEM

embossed according to norm EN 12115

TUDERTECHNICA PTFE EN12115:2021 DN SD PN 16 BAR  $\Omega$  Q/Y

## TECHNICAL CHARACTERISTICS

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

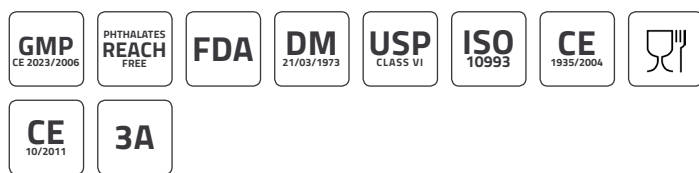
The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

**Electrical properties :** type  $\Omega$  according to norm EN 12115 (R<10<sup>6</sup>  $\Omega$ )

**Norm :** EN12115 - TRbF 131/2



refer to guidelines for cleaning and sanitizing on Tudertechnica website



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	1,18	0,79	215	8,46
38	1,50	51	2,00	40	130	0,9	13	16	250	64	1000	1,43	0,96	255	10,04
50	1,97	66	2,60	40	130	0,9	13	16	250	64	1000	2,08	1,39	330	12,99
63,5	2,50	79,5	3,13	20	65	0,9	13	16	250	64	1000	2,96	1,98	430	16,93
75	2,95	91	3,58	20	65	0,9	13	16	250	64	1000	3,43	2,30	510	20,08
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).

We reserve the right to supply in random lengths shorter than 40mt or 20mt.

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