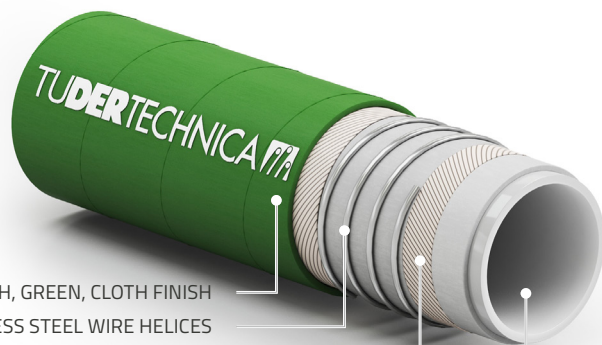




# TUFLUOR® EVOLUTION

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COMPANY. TEFLON™ IS USED UNDER  
LICENSE BY TUBIGOMMA DEREGIBUS SRL  
SOCIETÀ UNIPERSONALE



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 wires to discharge static electricity

### Cover

smooth, green, cloth finish. Abrasion, ageing and ozone resistant

### Sterilization

refer to guidelines for cleaning and sanitizing on Tudertecnica website

### Marking

TUDERTECHNICA TUFLUOR® EVOLUTION

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]
10 *	0,39	23	0,91	40	130	0,9	13	10	150	40	600	0,50	0,34	60	2,36
13	0,50	25	1,00	40	130	0,9	13	10	150	40	600	0,51	0,34	75	2,95
19	0,75	31	1,22	40	130	0,9	13	10	150	40	600	0,66	0,44	110	4,33
25	1,00	37	1,46	40	130	0,9	13	10	150	40	600	0,81	0,54	150	5,91
32	1,25	44	1,73	40	130	0,9	13	10	150	40	600	1,11	0,74	200	7,87
38	1,50	51	2,00	40	130	0,9	13	10	150	40	600	1,35	0,90	240	9,45
50	1,97	66	2,60	40	130	0,9	13	10	150	40	600	2,06	1,38	320	12,60

Data refer to ambient temperature (20°C). Other diameters, wall thickness, cover colours and pressure only on specific request.  
We reserve the right to supply in random lengths shorter than 40mt or 20mt. \* hose without wire helices.