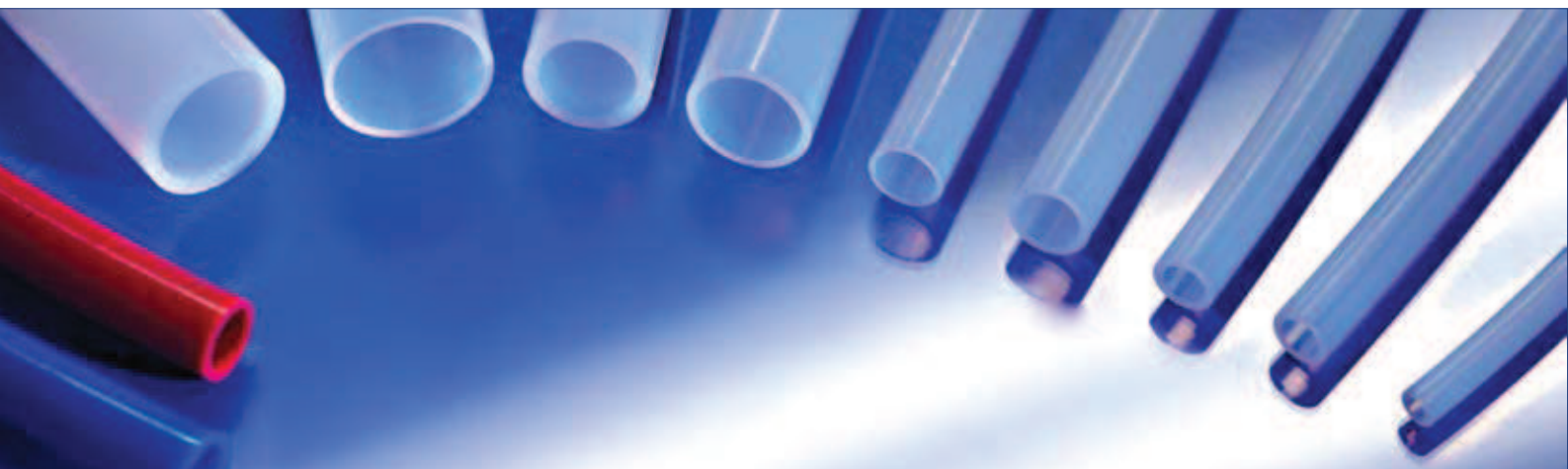


PTFE Thin Wall Tubes



Technical specifications	Industrial sectors
<p>Standard ITALNORD-FLEX product range consists of a set of thin wall tubes made by using natural PTFE resin.</p> <p>Inside diameter: from 1,5 mm to 26 mm. Wall thickness: from 0,5 mm to 3,0 mm.</p> <p>For most requested diameters, ITALNORD-FLEX supplies standard length coils from 25 meters to 100 meters.</p> <p>Owing to the advanced technology of its processing plants, ITALNORD-FLEX is able to produce for some diameters coils with lengths that can vary from 150 to 1.000 meters.</p> <p>Packaging in coils or on spools.</p>	<ul style="list-style-type: none"> - Fluid, gas and other materials transport industry - Alimentary – Food and Beverage industry - Appliances industry - Electronic and electrical industry - Automotive and motorcycle industry - Medical and laboratory equipments - Semiconductor industry - Technical products distribution

Tolerance on excentration

Wall thickness (mm)	Maximum excentration (mm)
0,5	0,1
1	0,15
1,5	0,17
2	0,2
2,5	0,25
3	0,3

Pressure and temperature

Working pressure is 1/3 of the burst pressure

Effect of temperature on pressure resistance	
Temperature (°C)	Pressure (%)
23	100
50	85
100	65
150	50
200	35

Upon request ITALNORD-FLEX can produce PTFE TWT with custom specifications such as: diameter and tolerance as requested by the client's drawing, FDA resins, pigmented resins available in several colours, antistatic and/or special additive filled resins, different shape sections, tubes cut at specific measure and/or treated as requested by the client's drawing, tubes thermoformed in retractable coil tubing.

All our PTFE TWT are ROHS free.

For every need you can trust our products and refer to us to benefit from our services.

PTFE TWT - Standard dimensions and property table

ID (mm)	OD (mm)	Weight (Kg/m)	Burst pressure (bar at 23° C)	Mini. Bend radius (mm)	ID (mm)	OD (mm)	Weight (Kg/m)	Burst pressure (bar at 23° C)	Mini. Bend radius (mm)
1,5	3,2	0,012	110	12,0	8,0	10,0	0,061	40	100,0
1,5	3,5	0,017	125	12,0	8,0	12,0	0,136	70	72,0
2,0	3,0	0,009	70	18,0	9,0	10,0	0,032	15	205,0
2,0	4,0	0,020	110	16,0	9,0	11,0	0,068	35	120,0
2,5	3,5	0,010	55	25,0	9,0	12,0	0,107	50	85,0
2,5	4,0	0,017	80	18,0	10,0	11,0	0,036	15	242,0
2,5	5,0	0,032	110	20,0	10,0	12,0	0,075	30	144,0
3,0	4,0	0,012	50	32,0	10,0	13,0	0,116	45	113,0
3,0	5,0	0,027	85	25,0	10,0	14,0	0,162	55	98,0
3,0	6,0	0,046	110	24,0	11,0	13,0	0,081	30	145,0
4,0	5,0	0,015	40	50,0	12,0	14,0	0,878	25	196,0
4,0	6,0	0,034	70	36,0	13,0	15,0	0,095	25	225,0
4,0	7,0	0,056	90	33,0	14,0	16,0	0,101	20	256,0
4,0	8,0	0,081	110	32,0	15,0	17,0	0,108	20	289,0
4,5	6,5	0,037	60	41,0	15,0	18,0	0,167	30	216,0
5,0	6,0	0,018	30	50,0	16,0	18,0	0,115	20	324,0
5,0	7,0	0,041	60	49,0	16,5	19,5	0,182	30	254,0
5,0	8,0	0,066	80	43,0	17,0	20,0	0,187	25	267,0
5,0	9,0	0,055	95	41,0	18,0	20,0	0,128	15	400,0
6,0	7,0	0,022	25	98,0	18,0	22,0	0,270	30	242,0
6,0	8,0	0,048	50	64,0	19,0	22,0	0,208	20	323,0
6,0	9,0	0,076	70	54,0	20,0	22,0	0,142	15	325,0
6,0	10,0	0,109	85	50,0	20,0	24,0	0,297	25	288,0
6,5	9,5	0,081	65	60,0	21,0	24,0	0,228	20	384,0
7,0	9,0	0,054	40	81,0	22,0	24,0	0,155	15	576,0
7,0	10,0	0,087	60	67,0	24,0	27,0	0,258	20	486,0
7,5	9,5	0,058	40	90,0	24,5	27,0	0,217	15	583,0
8,0	9,0	0,029	20	162,0	25,0	28,0	0,268	15	523,0

Diameters tolerances

Tolerance for standard PTFE TWT with wall thickness from 0,50 mm to 1,00 mm

Internal diameter (mm)	Tolerance (mm)
1,5 < ID ≤ 5	± 0,10
5,1 < ID ≤ 7	± 0,15
7,1 < ID ≤ 10	± 0,20
10,1 < ID ≤ 15	± 0,30
15,1 < ID ≤ 20	± 0,40
20,1 < ID ≤ 26	± 0,60

Tolerances for PTFE TWT with wall thickness exceeding 1,00 mm : European standard UNI EN ISO 13000-1.

Note: To guarantee quality and reliability of our products, all PTFE TWT are tested under pressure