

technical tubes and hoses

close tolerance semi-rigid and rigid nylon tubing



This range includes semi-rigid nylon tubing for pneumatic systems and rigid nylon tubing for centralized lubrication applications that require high pressure.

Legris nylon tubing provides optimum mechanical properties, has good chemical resistance and conforms to NF E49-100 standard. Semi-rigid tube is shore hardness 60°D and rigid tube, shore hardness 65°D

o.d. of tube	tolerances on o.d	
3 to 5 mm	+0,05	-0,08
6 to 16 mm	+0,05	-0,1

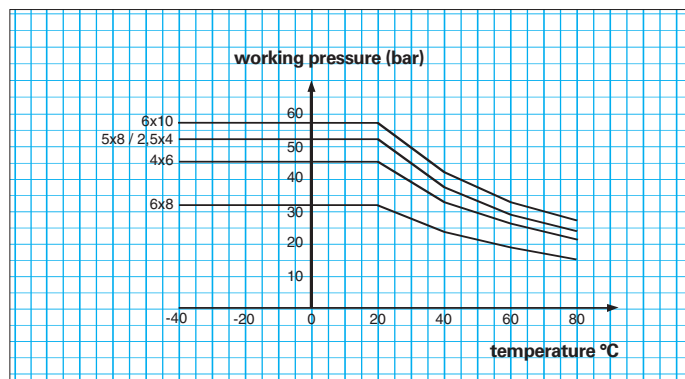
Connected to **Legris** instant fittings, the calibration of Legris nylon tubing ensures **perfect sealing**.

Technical characteristics of Legris nylon tubing also depend on the type of connection used.

pressure and temperature resistance of Legris nylon tubing

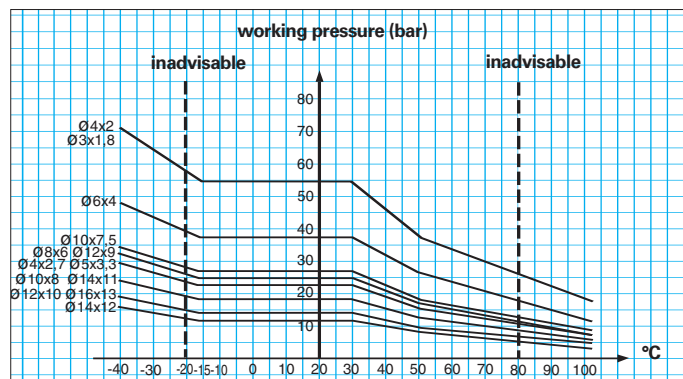
In the graph below, each curve represents the acceptable maximum pressure at a given temperature, by diameter. example : semi-rigid nylon tube, Ø14x12, at 10°C, maximum pressure = 12 bar

rigid nylon tubing



to calculate burst pressure, the value in the above graph should be multiplied x 3.

semi-rigid nylon tubing



to calculate burst pressure, the value in the above graph should be multiplied x 3.

The **vacuum capability** of Legris semi-rigid nylon tubing is of 755 mm Hg (99 % vacuum). Connected with LF 3000® push-in fittings, it offers excellent vacuum performance.

advantages of Legris nylon tubing

- large range of working temperatures and pressures
- good chemical resistance (see list of fluids at the end of this section – pages K27/K28)
- good humidity resistance

- small pressure drop
- constant rigidity, good ageing with constant tolerance on O.D.
- good absorption of vibration
- strong abrasion resistance
- 7 colours for easy identification of circuits

close tolerance semi-rigid and rigid nylon tubing

1025P close tolerance semi-rigid nylon tubing, 25 m rolls

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at ambient temp. in mm	close tolerance semi-rigid nylon tubing, 25 m rolls							kg for 25 m
										
3	1,8	8	1025P03 00 18				1025P03 04 18			0,020
4	2	25	1025P04 00	1025P04 01	1025P04 02	1025P04 03	1025P04 04	1025P04 05	1025P04 06	0,318
4	2,7	30	1025P04 00 27	1025P04 01 27	1025P04 02 27	1025P04 03 27	1025P04 04 27	1025P04 05 27	1025P04 06 27	0,254
5	3,3	25	1025P05 00 33	1025P05 01 33			1025P05 04 33			0,420
6	4	35	1025P06 00	1025P06 01	1025P06 02	1025P06 03	1025P06 04	1025P06 05	1025P06 06	0,535
8	6	55	1025P08 00	1025P08 01	1025P08 02	1025P08 03	1025P08 04	1025P08 05	1025P08 06	0,748
10	7,5	75	1025P10 00 75	1025P10 01 75			1025P10 04 75			1,135
10	8	90	1025P10 00	1025P10 01	1025P10 02	1025P10 03	1025P10 04	1025P10 05	1025P10 06	0,989
12	9	75	1025P12 00 09	1025P12 01 09			1025P12 04 09			1,769
12	10	90	1025P12 00	1025P12 01			1025P12 04			1,345
14	11	120	1025P14 00 11	1025P14 01 11			1025P14 04 11			2,226
14	12	100	1025P14 00	1025P14 01			1025P14 04			1,734
16	13	120	1025P16 00 13							2,500

1100P close tolerance semi-rigid nylon tubing, 100 m rolls

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at ambient temp. in mm	close tolerance semi-rigid nylon tubing, 100 m rolls							kg for 100 m
										
4	2	25	1100P04 00	1100P04 01	1100P04 02	1100P04 03	1100P04 04	1100P04 05	1100P04 06	1,152
4	2,7	30	1100P04 00 27	1100P04 01 27	1100P04 02 27	1100P04 03 27	1100P04 04 27	1100P04 05 27	1100P04 06 27	0,893
5	3,3	25	1100P05 00 33	1100P05 01 33			1100P05 04 33			1,274
6	4	35	1100P06 00	1100P06 01	1100P06 02	1100P06 03	1100P06 04	1100P06 05	1100P06 06	1,799
8	6	55	1100P08 00	1100P08 01	1100P08 02	1100P08 03	1100P08 04	1100P08 05	1100P08 06	2,898
10	7,5	75	1100P10 00 75	1100P10 01 75			1100P10 04 75			4,400
10	8	90	1100P10 00	1100P10 01	1100P 10 02	1100P10 03	1100P10 04	1100P10 05		3,667
12	9	75	1100P12 00 09	1100P12 01 09			1100P12 04 09			5,600
12	10	90	1100P12 00	1100P12 01			1100P12 04			5,052
14	11	120	1100P14 00 11	1100P14 01 11			1100P14 04 11			5,200
14	12	100	1100P14 00	1100P14 01			1100P14 04			4,800
16	13	120	1100P16 00 13							7,800

1025L close tolerance rigid nylon tubing, 25 m rolls

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at ambient temp. in mm	tube in 25 metre rolls	kg for 25 m
				
4	2,5	35	1025L04 01 25	0,190
6	4	45	1025L06 01	0,400
8	5	70	1025L08 01 05	0,760
8	6	65	1025L08 01	0,760
10	6	85	1025L10 01 06	1,330