

technical tubes and hoses

close tolerance polyethylene tubing



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

Legris polyethylene tubing provides good resistance to aggressive and corrosive agents and is impermeable to gas and moisture.

It's odourless, **FDA approved material** makes Legris polyethylene tubing well suited for **food applications**. It has a surface hardness of 44° shore D.

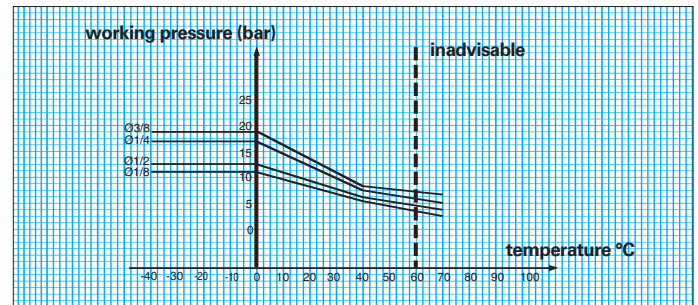
o.d. of tube	tolerances on o.d.	
	1/8" to 1/2"	+0,1
4 to 14 mm	+0,1	-0,1

Pressure and temperature resistance of Legris polyethylene tubing

In the graph below, each curve represents the acceptable maximum pressure at a given temperature, by diameter. example : polyethylene tube, Ø 1/4, at 10°C, working pressure = 12 bar

1025Y polyethylene tubing

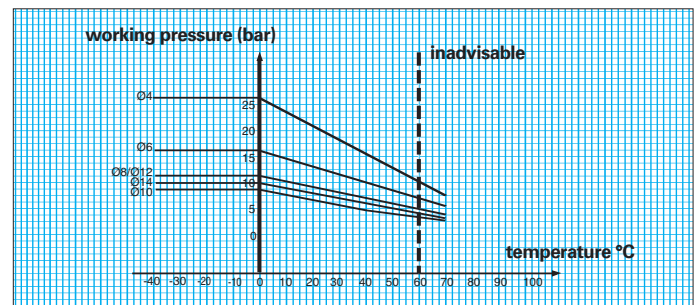
o.d. tube	i.d. tube		R minimum bend radius for tube at 20° C (in mm)	in 25 m rolls	per 25 m
	inch	mm			
1/8	0,062	1,57	13	1025Y53 00	0,270
1/4	0,17	4,3	32	1025Y56 00	0,400
3/8	0,25	6,35	50	1025Y60 00	0,760
1/2	0,38	9,65	64	1025Y62 00	1,330




to calculate **burst pressure**, the values in the above graph should be multiplied x 3

1100Y polyethylene tubing

o.d. tube mm	i.d. tube mm	R minimum bend radius for tube at 20° C (in mm)	in 100 m rolls	per 100 m
6	4	35	1100Y06 00	1,500
8	6	55	1100Y08 00	2,110
10	8	80	1100Y10 00	2,710
12	9	65	1100Y12 00	4,750
14	11	80	1100Y14 00	5,650



to calculate **burst pressure**, the values in the above graph should be multiplied x 3

 = suitable for food applications