

## Nylon 11/12 soft pneumatic tubing

### Benefits:

- lightweight
- ideally suited for push-in connectors
- material fully complies with DIN 73378 and DIN 74324
- excellent temperature resistance
- highly resistant to shock and impact
- excellent compressive strength
- high chemical resistance
- resistance to oil, grease, fuels, solvent and hydraulic fluids
- excellent resistance to UV-rays
- highly resistant to stress cracking
- excellent abrasion resistance characteristics
- water insensitive
- easily fitted
- minimal pressure loss
- available in a range of colours
- calibrated

### Applications:

- Pneumatic control line
- Automotive
- Machine building

### Temperature range :

- - 40 °C to + 90 °C
- - 40 °F to + 194 °F

### Standard colours:

- Nature
- Black
- Blue

## Nylon 11/12 soft pneumatic tubing

Tube dimension			Tolerance ID & OD	Weight	Max. working pressure resistance	Min. bending radius
ID*	WT*	OD*	mm	g/m	bar (at 23°C)	mm
2	1	4	± 0,05	9,7	44	20
2,9	0,55	4	± 0,05	6,1	21	20
3	1	5	± 0,05	12,9	33	25
4	1	6	± 0,10	16,1	26	30
5	1,5	8	± 0,10	31,4	30	40
5,5	1,25	8	± 0,10	27,1	24	40
6	1	8	± 0,10	22,5	19	40
6	2	10	± 0,10	51,5	33	50
7	1,5	10	± 0,10	41,0	23	50
7,5	1,25	10	± 0,10	35,2	19	50
8	1	10	± 0,10	29,0	14	50
8	2	12	± 0,10	64,3	26	60
9	1,5	12	± 0,10	50,7	19	60
10	1	12	± 0,10	35,4	12	60
10	2	14	± 0,10	77,2	22	70
11	1,5	14	± 0,10	60,3	16	70
12	1,5	15	± 0,10	65,1	14	90
12	2	16	± 0,15	90,1	19	90
14	2	18	± 0,15	102,9	16	120
16	2	20	± 0,15	115,8	14	120
18	2	22	± 0,25	128,7	13	150

\*ID = inside diameter, WT = wall thickness, OD = outside diameter

### Pressure diagram for Nylon 11/12 soft

Working pressure (%) utilisation factor as a function of temperature (°C).

