

#1 Polyurethane Tube

Tried. Tested. And Wanted.



Pneumics
AUTOMATION FZC
innovating for optimal quality & value

98 A Polyurethane Tube (Made in Korea)

Hardness

US98A Base,
Shore A 98± 2

Temperature Range

-40°C ~70°C

Working Pressure

3 to 1 safety factor
Working Pressure
10 bar

Standard Color

B : Blue / T : Clear
O : Orange / BK : Black
Y : Yellow / G : Green

Feature / Benefits

Extremely Flexible / Small bend radius for routing into tight places

Ultra Kink Resistant / Withstands abuse that would damage other plastic tubing

Excellent Memory / Tolerates repeated flexing

Very Abrasion Resistant / Outlasts other tubing, suitable for conveying abrasives

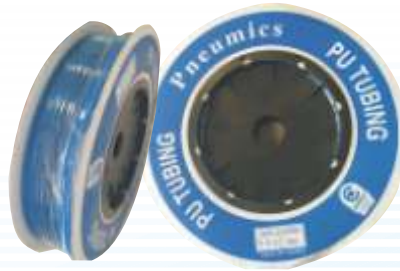
Low Gas Permeability / Reduces leak and contamination problems

Pneumics polyurethane tubing is usually the best choice for applications that require extensive flexing, a small bend radius or where kinking can be a problem. Pneumics uses Ether base raw material because it will not break down or be affected in any way by moisture.

Applications

- a. Transfer of Air and Fluids Under Severs Conditions
- b. Feed and Return Lines
- c. Abrasive Slurry Transfer
- d. Granular Transfer Lines
- e. Small Engine Fuel Lines
- f. Robotics Control Lines
- g. Insulating Sleeves
- h. Lubrication Lines
- i. Metering Pumps

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PU Tubes in Metric Size (mm)

Pneumics Code	Color	Tube OD (mm)	Tube ID (mm)	Thickness (mm)	Working Pressure (bar)	Roll Length
PU4X2.5B	Blue	4.0	2.5	1.25	10	100
PU4X2.5T	Clear	4.0	2.5	1.25	10	100
PU5X3B	Blue	5.0	3.0	2.0	10	100
PU6X4B	Blue	6.0	4.0	1.0	10	100
PU6X4Y	Yellow	6.0	4.0	1.0	10	100
PU6X4G	Green	6.0	4.0	1.0	10	100
PU6X4O	Orange	6.0	4.0	1.0	10	100
PU6X4T	Clear	6.0	4.0	1.0	10	100
PU6X4BK	Black	6.0	4.0	1.0	10	100
PU8X5B	Blue	8.0	5.0	1.5	10	100
PU8X5Y	Yellow	8.0	5.0	1.5	10	100
PU8X5G	Green	8.0	5.0	1.5	10	100
PU8X5O	Orange	8.0	5.0	1.5	10	100
PU8X5T	Clear	8.0	5.0	1.5	10	100
PU8X5BK	Black	8.0	5.0	1.5	10	100
PU8X6 B	Blue	8.0	6.0	1.0	10	100
PU10X6.5B	Blue	10.0	6.5	1.75	10	50
PU10X6.5G	Green	10.0	6.5	1.75	10	50
PU10X6.5O	Orange	10.0	6.5	1.75	10	50
PU10X6.5T	Clear	10.0	6.5	1.75	10	50
PU10X6.5BK	Black	10.0	6.5	1.75	10	50
PU12X8B	Blue	12.0	8.0	2.0	10	50
PU12X8G	Green	12.0	8.0	2.0	10	50
PU12X8O	Orange	12.0	8.0	2.0	10	50
PU12X8T	Clear	12.0	8.0	2.0	10	50
PU12X8BK	Black	12.0	8.0	2.0	10	50
PU12X10B	Blue	12.0	10.0	1.0	10	50
PU14X10B	Blue	14.0	10.0	2.0	10	25
PU16X12B	Blue	16.0	12.0	2.0	10	25

Pneumics

pneumatics

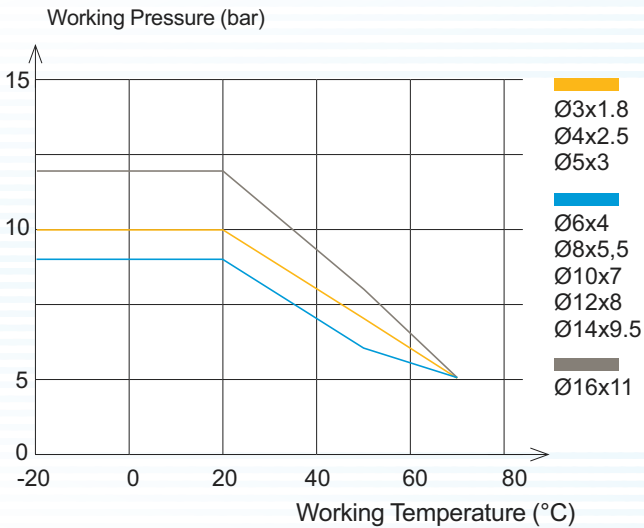
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PU Tubes in Inch Size

Pneumics Code	Color	Tube OD (inch)	Tube ID (inch)	Thickness (inch)	Working Pressure (bar)	Roll Length
PU1/4B	Blue	1/4"	0.125	0.062	10	100
PU1/4T	Clear	1/4"	0.125	0.062	10	100
PU3/8B	Blue	3/8"	0.245	0.065	10	50
PU3/8T	Clear	3/8"	0.245	0.065	10	50
PU1/2B	Blue	1/2"	0.320	0.090	10	50
PU1/2T	Clear	1/2"	0.320	0.090	10	50

Performance of PU Tubing



Tube O.D.	Tube O.D. Tolerance
3 to 8 mm	+0.10 / -0.10
10 to 16 mm	+0.15 / -0.15

PU Spring (Coils)



Pneumics Code	Color	Tube OD (mm)	Tube ID (mm)	Working Pressure	Length (mtr)
PU6X4BC	Blue	6.0	4.0	10	10
PU8X5BC	Blue	8.0	5.0	10	10
PU8X5OC	Orange	8.0	5.0	10	10
PU8X5BC-15	Blue	8.0	5.0	10	15
PU10X6.5BC	Blue	10.0	6.5	10	10
PU10X6.5OC	Orange	10.0	6.5	10	10
PU10X6.5BC-15	Blue	10.0	6.5	10	15
PU12X8BC	Blue	12.0	8.0	10	10
PU12X8OC	Orange	12.0	8.0	10	10

PU Coils with Fittings



Pneumics Code	Color	Tube OD (mm)	Tube ID (mm)	Working Pressure	Length (mtr)
PU8X5BCF	Blue	8.0	5.0	10	10
PU8X5OCF	Orange	8.0	5.0	10	10
PU8X5BCF-15	Blue	8.0	5.0	10	15
PU10X6.5BCF	Blue	10.0	6.5	10	10
PU10X6.5OCF	Orange	10.0	6.5	10	10
PU10X6.5BCF-15	Blue	10.0	6.5	10	15
PU12X8BCF	Blue	12.0	8.0	10	10
PU12X8OCF	Orange	12.0	8.0	10	10