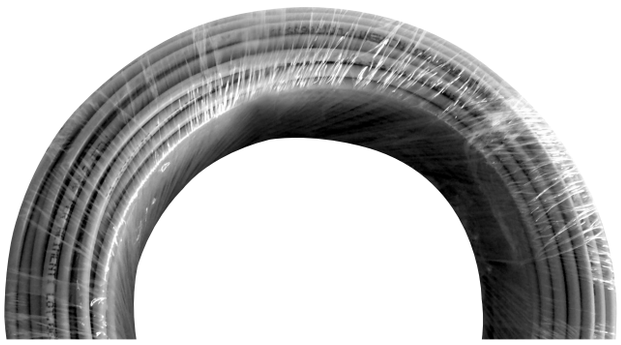
Polyurethane tubes (PU 98 ShA)

series T

DESCRIPTION

Polyurethane tubes type T-PU have been designed to satisfy the needs of “heavy duty” applications such oleo-dynamics, robotics, pneumatics, tools & industrial machinery thanks to their outstanding technical features. These tubes show very high flexibility to low temperatures, low sensibility to “click” and “stress cracking” effects, excellent resistance to abrasion, good resistance to atmospheric agents, good aging, extremely resistant to exertion.



TECHNICAL DATA

Working temperature	-20 ÷ +70°C
Hardness	98 ShA/52ShD
Density	1.22 g/cm^3
Elongation at break	500 %
Tear resistance	130 N/mm
Flexural modulus	140 MPa
Abrasion loss	25 mm^3
Break resistance	55 MPa

MATERIALS

Tube	Poliurethane 98 ShA
Standard colour	Sky-Blue (SB)
Alternative colors upon request	Red (R) - Green (G) - Yellow (Y) Cyan (CN) - Black (BK) Grey (GY) - Natural (N)

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MEAN FEATURES TUBES T-PU

Ø (mm)		BURSTING PRESSURE (bar) 23°C	WORKING PRESSURE (bar) 23°C	BENDING RAY (mm)	REELS LENGHT (m)	TYPE
External	Internal					
4	2	60	15	11	100	**T-PU-4X2**
6	4	40	10	18	100	**T-PU-6X4**
8	5	52	13	25	100	**T-PU-8X5**
8	5,5	40	10	30	100	**T-PU-8X5,5**
8	6	28	7	35	100	**T-PU-8X6**
10	7	35	8,5	30	100	**T-PU-10X7**
10	7,5	30	7,5	40	100	**T-PU-10X7,5**
10	8	27	5,5	45	100	**T-PU-10X8**
12	9	25	6	50	100	**T-PU-12X9**

P.S.: Please specify the colour of the tube with the order

ALTERATION SCALE ACCORDING TO TEMPERATURE

Temperature	-20°C	0°C	+23°C	+30°C	+40°C	+50°C	+60°C
Coefficient	x 1,87	x 1,4	x 1	x 0,84	x 0,70	x 0,60	x 0,52

P.S.: This information is only indicative. The validation of the application is at the user charge. For this kind of tubing the manifacturer suggests to use a working pressure of 1/4 than the bursting pressure. These tubing respect the tolerance indicated in the DIN 73 378 standard.

ATTENTION

The use of this tubing typology with continuous pulsing pressure can create heat accumulation, although it is particulary resistant to labour and tension flexions. Polyurethane is generally resistant to ozone, oil, fats, fuels and chemical solutions.
Poyurethane is not resistant, or low resistant, to concentrate acids, keton, hydrocarbon and chloride.

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