

Polyethylene tubes (PELD)

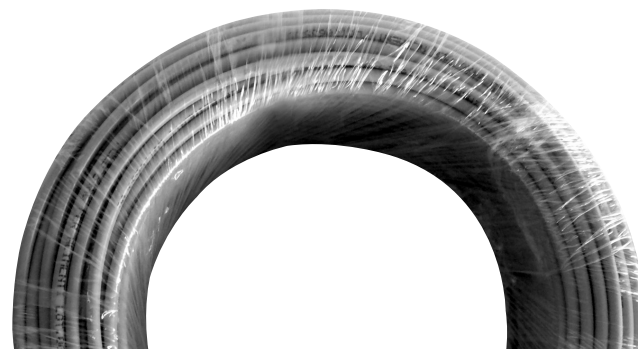
series **T**

DESCRIPTION

Polyethylene tubes type T-PELD are particularly indicated for all applications where there are not specific problems pressures and very high temperatures. These tubes are totally recyclable and show high impact resistance, low sensibility to "click" and "stress cracking" effect, excellent resistance to chemical agents, good electrical properties, optimal flexibility.

TECHNICAL DATA

Working temperature	-20 ÷ +60°C
Density	0.921 g/cm ³
Elongation at break	400 %
Tear resistance	30 N/mm
Impact resistance	310 g
Flexural modulus	100 MPa
Tensile strenght at break	26 MPa



MATERIALS

Tube	Polyethylene low density (PELD)
Standard colour	Sky Blue (SB)
Alternative colours upon request	Red (R) - Green (G) - Yellow (Y) - Blue (B) Orange (O) - Black (BK) - Grey (GY) Natural (N) - Brown (M)

MAIN FEATURES TUBES T-PELD

Ø (mm)		BURSTING PRESSURE (bar) 23°C	WORKING PRESSURE (bar) 23°C	BENDING RAY (mm)	REELS LENGTH (m)	TYPE
External	Internal					
4	2	75	18,5	20	100	T-PELD-4X2
4	2,5	60	15	25	100	T-PELD-4X2,5
5	3	50	12,5	30	100	T-PELD-5X3
6	4	40	10	40	100	T-PELD-6X4
6,35	4,35	36	9	50	100	T-PELD-6,35X4,35
8	6	30	7,5	50	100	T-PELD-8X6
9,54	6,36	40	10	100	100	T-PELD-9,54X6,36
10	8	25	6	120	100	T-PELD-10X8
12	8	30	7,5	160	100	T-PELD-12X8
12	9	28	7	120	100	T-PELD-12X9
12	10	20	5	120	100	T-PELD-12X10

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 0,80	x 0,60	x 0,50	x 0,40

P.S.: This information is only indicative. The validation of the application is at the user charge. For this kind of tubing the manufacturer 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

It is recommended to avoid connecting the polyethylene tubing with fittings that may deform its extremity, because this material does not resist to enlargements approximately over 15%. "Creep" problems could occur with non-suitable fittings.