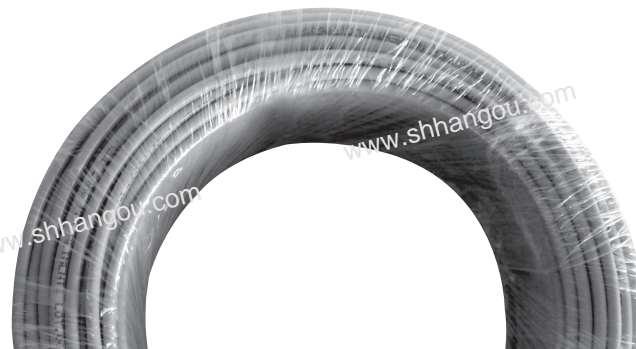


DESCRIPTION

Polyethylene tubes type T-PELD are particularly indicated for all applications where there are not specific problems pressures and very high temperatures, as for example for water treatment, chemical industry, agriculture, irrigation applications and compressed air. They are even suitable for alimentary applications and food contact, complying with the D.M. 21/03/73 and following adjournments, the Directive 90/128/CEE, the FDA 21 CFR 177.1520, and even European Pharmacopoeia. 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 (LDPE) |
| Standard colour | Sky-Blue (SB) |
| Alternative colours upon request | Red (R) - Green (G) - Yellow (Y) - Blue (B) Sky-Blue (SB) - Black (BK) - Grey (GY) - Natural (N) |

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

| -20°C | 0°C | +23°C | +30°C | +40°C | +50°C | +60°C |
|-------|-----|-------|-------|-------|-------|-------|
| 1,87 | 1,4 | 1 | 0,80 | 0,60 | 0,50 | 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 73 873 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.