# PE2-
# Linear Low Density Polyethylene (LLDPE) tube

— Tube size: Ø 4 ... 12 mm, 5/32" ...1/2"

— Water purification, water conditioners, ice makers, misting systems and food contact applications



## Technical features

**Medium:**
Compressed air and liquid

**Tube tolerance:**
+0.1mm/-0.1mm

**Maximum Pressure:**
4mm/6mm, 5/32", 3/16", 1/4": 15,9 bar (230 psi)
8mm/10mm/12mm, 5/16", 3/8", 1/2": 11,7 bar (170 psi)

**Tube colour:**
See table below

**Standard length:**
See table below

**Ambient/Media temperature:**
-29°C ... +66°C (-20°F ... +150°F)

**Material:**
Linear Low Density Polyethylene (LLDPE), FDA compliant and non-contaminating

## Technical data

| Colour | Length (m) | O/D I/D tube 4 | 6 | 8 | 10 | 12 | 1/4" | 5/16" | 3/8" | 1/2" |
|---|---|---|---|---|---|---|---|---|---|---|
| Natural | 100 | – | PE2-0006100 | PE2-0008100 | PE2-0010100 | PE2-0012100 | PE2-0054100 | PE2-0055100 | PE2-0056100 | PE2-0057100 |
| Natural | 200 | PE2-0004200 | – | – | – | – | – | – | – | – |
| Blue | 100 | – | PE2-0506100 | PE2-0508100 | PE2-0510100 | PE2-0512100 | PE2-0554100 | PE2-0555100 | PE2-0556100 | PE2-0557100 |
| Blue | 200 | PE2-0504200 | – | – | – | – | – | – | – | – |
| Black | 100 | – | PE2-0706100 | PE2-0708100 | PE2-0710100 | PE2-0712100 | PE2-0754100 | PE2-0755100 | PE2-0756100 | PE2-0757100 |
| Black | 200 | PE2-0704200 | – | – | – | – | – | – | – | – |
| White | 100 | – | PE2-0906100 | PE2-0908100 | PE2-0910100 | PE2-0912100 | PE2-0954100 | PE2-0955100 | PE2-0956100 | PE2-0957100 |
| White | 200 | PE2-0904200 | – | – | – | – | – | – | – | – |
| Red | 100 | – | PE2-0106100 | PE2-0108100 | PE2-0110100 | PE2-0112100 | PE2-0154100 | PE2-0155100 | PE2-0156100 | PE2-0157100 |
| Red | 200 | PE2-0104200 | – | – | – | – | – | – | – | – |

Note: NSF 61 registration pending - please consult Norgren Technical Department for for further details

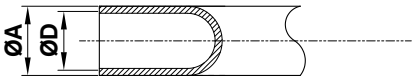

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## Maximum operating pressures and bend radi

| | 4 | 6 | 8 | 10 | 12 | 1/4" | 5/16" | 3/8" | 1/2" |
|---|---|---|---|---|---|---|---|---|---|
| Max. pressure (bar) at 23 °C (bar) | 30 | 30 | 20 | 20 | 20 | 30 | 30 | 20 | 20 |
| Min. bend radius at 23 °C (mm) | 25 | 25 | 25 | 32 | 63 | 1.00" (25.4) | 1.13" (28.7) | 1.25" (31.8) | 2.50" (63.5) |

Maximum continuous working temperature: PA +80°C

## Radius




| | O/D Tube x Length | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Ø | 4 x 200 m L | 6 x 100 m L | 8 x 100 m L | 10 x 100 m L | 12 x 100 m L | 1/4" x 100 m L | 5/16" x 100 m L | 3/8" x 100 m L | 1/2" x 100 m L |
| ØA | 4,0 | 6,0 | 8,0 | 10,0 | 12,0 | 0.25" (6.35mm) | 0.31" (8mm) | 0.37" (9.52mm) | 0.5" (12.7mm) |
| ØD | 2,5 | 4,0 | 6,0 | 7,0 | 9,0 | 0.17" (4.32mm) | 0.22" (5.48mm) | 0.25" (6.35mm) | 0.37" (9.52mm) |

## Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under **»Technical features/ data«.**

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems or other applications not within published specifications, consult IMI Precision Engineering.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.

System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.



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