FLEXIBLE TECHNIC TUBING

We offer standard 5 types of tubing:
- COPU, Co-Polyurethane
- PA, Polyamide
- PU, Polyurethane
- PE, Polyethylene
- PVC, Filclair N with polyester fibre
- PRO, Profilair with polyester fibre

Available on roll, box and drum.

Other types of tubing available on request (teflon/ptfe, duo-tubing, multi-tubing, atex-certificated...).

COPU - CO-POLYURETHANE 55 SHORE D TUBE - c.star

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Ø Outside</th>
<th>Ø Inside</th>
<th>Bending Radius</th>
<th>Working Press.23°C</th>
<th>Burst Press.23°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>COPU04025</td>
<td>4 mm</td>
<td>2.5 mm</td>
<td>10 mm</td>
<td>22 bar</td>
<td></td>
</tr>
<tr>
<td>COPU0604</td>
<td>6 mm</td>
<td>4 mm</td>
<td>15 mm</td>
<td>19 bar</td>
<td></td>
</tr>
<tr>
<td>COPU0806</td>
<td>8 mm</td>
<td>6 mm</td>
<td>25 mm</td>
<td>16 bar</td>
<td></td>
</tr>
<tr>
<td>COPU1008</td>
<td>10 mm</td>
<td>8 mm</td>
<td>35 mm</td>
<td>12 bar</td>
<td></td>
</tr>
<tr>
<td>COPU1209</td>
<td>12 mm</td>
<td>9 mm</td>
<td>45 mm</td>
<td>13 bar</td>
<td></td>
</tr>
</tbody>
</table>

This very innovative tube combines the best properties of Polyurethane and Polyamide in one product Co-Polyurethane.

- High flexibility
- Excellent bending radius
- Tighter tolerances than PU
- Good hydrolysis resistance
- Good chemical resistance
- Excellent temperature resistance

COPU is particularly suitable for pneumatic applications where tight bending radius for mounting in narrow cabins are requested together with pressure >12 bars and push-in fittings.

Temperature range: From -40°C to +100°C
Chemical resistance: Available on request
Packaging: - 100M = 100 m roll (standard)
- 25BX = 25 m in carton box (standard)
Also available: - 100 m in carton box (on request)
- different sizes on drums (on request)
Colors: - Natural, BK=Black, BL=Blue (standard)
- RD=Red, YL=Yellow, GR=Green (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3,000 m.

CODIFICATION KEY
COPU0806BL-25BX
COPU=Material 0806=Diameter
BL=Blue 25BX=25mbox

Pressure variation in function of temperature
PA - POLYAMIDE TUBE PA12PHL - c.best

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Ø Outside</th>
<th>Ø Inside</th>
<th>Bending Radius</th>
<th>Working Press. 23°C</th>
<th>Burst Press. 23°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>PA04027</td>
<td>4 mm</td>
<td>2.7 mm</td>
<td>25 mm</td>
<td>26 bar</td>
<td>approx. 3x the working pressure</td>
</tr>
<tr>
<td>PA0604</td>
<td>6 mm</td>
<td>4 mm</td>
<td>35 mm</td>
<td>27 bar</td>
<td></td>
</tr>
<tr>
<td>PA0806</td>
<td>8 mm</td>
<td>6 mm</td>
<td>40 mm</td>
<td>19 bar</td>
<td></td>
</tr>
<tr>
<td>PA1008</td>
<td>10 mm</td>
<td>8 mm</td>
<td>60 mm</td>
<td>15 bar</td>
<td></td>
</tr>
<tr>
<td>PA1209</td>
<td>12 mm</td>
<td>9 mm</td>
<td>70 mm</td>
<td>19 bar</td>
<td></td>
</tr>
<tr>
<td>PA1411</td>
<td>14 mm</td>
<td>11 mm</td>
<td>90 mm</td>
<td>16 bar</td>
<td></td>
</tr>
</tbody>
</table>

This tube is produced with an innovative polymer named PA12PHL.

- High working pressure
- Good chemical resistance
- Very good hydrolysis resistance
- Excellent dimensional stability
- Good temperature and UV resistance

PA respect the ISO 7628, DIN 73378 (all colours) and DIN 74324 (only black) standard

Temperature range: From -60°C to +130°C
Chemical resistance: Available on request
Packaging: 100 M = 100 m roll (standard)
25 BX = 25 m in carton box (standard)
Also available: 100 m in carton box (on request)
different sizes on drums (on request)
Colors: Natural, BK=Black, BL=Blue, RD=Red,
YL=Yellow, GR=Green (standard)
OR=Orange (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3,000 m.

CODIFICATION KEY
PA0806BL-25BX
PA=Materiel  0806=Diameter
BL=Blue     25BX=25mbox

SP - POLYAMIDE SPIRAL TUBE PA12 - c.coil

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Ø Outside</th>
<th>Ø Inside</th>
<th>Ø Spiraal inside</th>
<th>Tube length</th>
<th>Work length</th>
</tr>
</thead>
<tbody>
<tr>
<td>SP0604/7.5</td>
<td>6 mm</td>
<td>4 mm</td>
<td>60 mm</td>
<td>7.5 m</td>
<td>4.3 m</td>
</tr>
<tr>
<td>SP0604/30</td>
<td>6 mm</td>
<td>4 mm</td>
<td>60 mm</td>
<td>30 m</td>
<td>17 m</td>
</tr>
<tr>
<td>SP0806/7.5</td>
<td>8 mm</td>
<td>6 mm</td>
<td>80 mm</td>
<td>7.5 m</td>
<td>4.3 m</td>
</tr>
<tr>
<td>SP0806/30</td>
<td>8 mm</td>
<td>6 mm</td>
<td>80 mm</td>
<td>30 m</td>
<td>17 m</td>
</tr>
<tr>
<td>SP1008/7.5</td>
<td>10 mm</td>
<td>8 mm</td>
<td>90 mm</td>
<td>7.5 m</td>
<td>4.3 m</td>
</tr>
<tr>
<td>SP1008/30</td>
<td>10 mm</td>
<td>8 mm</td>
<td>90 mm</td>
<td>30 m</td>
<td>17 m</td>
</tr>
<tr>
<td>SP1210/7.5</td>
<td>12 mm</td>
<td>10 mm</td>
<td>120 mm</td>
<td>7.5 m</td>
<td>4.3 m</td>
</tr>
<tr>
<td>SP1210/30</td>
<td>12 mm</td>
<td>10 mm</td>
<td>120 mm</td>
<td>30 m</td>
<td>17 m</td>
</tr>
</tbody>
</table>

Temperature range: From -60°C to +130°C
Chemical resistance: Available on request
Colors: Blue (standard)

More technical features, see PA12 POLYAMIDE above

CODIFICATION KEY
SP0806/7.5
SP=Spiral   0806=Diameter   7.5=length

COILS ensure an excellent elastic memory and let the operator work freely.
### PU - POLYURETHANE 98 Shore A TUBE - c.flex

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Ø Outside</th>
<th>Ø Inside</th>
<th>Bending Radius</th>
<th>Working Press.23°C</th>
<th>Burst Press.23°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>PU04025</td>
<td>4 mm</td>
<td>2.5 mm</td>
<td>10 mm</td>
<td>15 bar</td>
<td></td>
</tr>
<tr>
<td>PU0604</td>
<td>6 mm</td>
<td>4 mm</td>
<td>20 mm</td>
<td>13 bar</td>
<td></td>
</tr>
<tr>
<td>PU0806</td>
<td>8 mm</td>
<td>6 mm</td>
<td>25 mm</td>
<td>10 bar</td>
<td></td>
</tr>
<tr>
<td>PU10075</td>
<td>10 mm</td>
<td>7.5 mm</td>
<td>30 mm</td>
<td>10 bar</td>
<td></td>
</tr>
<tr>
<td>PU1209</td>
<td>12 mm</td>
<td>9 mm</td>
<td>45 mm</td>
<td>10 bar</td>
<td></td>
</tr>
</tbody>
</table>

This Polyurethane tube for pneumatic applications offers a Polyester based Shore A98 flexibility.

- Excellent abrasion resistance
- Extreme flexibility even at low temp. -40°C
- Small bending radius
- Fair mechanical properties
- Resistant to oil and grease

**Temperature range:** From -40°C to +60°C  
**Chemical resistance:** Available on request  
**Packaging:** - 100M = 100 m roll (standard)  
- 25BX = 25 m in carton box (standard)  
**Also available:** - 100 m in carton box (on request)  
- different sizes on drums (on request)  
**Colors:** - Natural, BK=Black, BL=Blue (standard)  
- RD=Red, YL=Yellow, GR=Green (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.

#### CODIFICATION KEY

PU0806BL-25BX  
PU=Material 0806=Diameter  
BL=Blue 25BX=25mbox

### PE LD - POLYETHYLENE - c.eco

<table>
<thead>
<tr>
<th>TYPE</th>
<th>Ø Outside</th>
<th>Ø Inside</th>
<th>Bending Radius</th>
<th>Working Press.23°C</th>
<th>Burst Press.23°C</th>
</tr>
</thead>
<tbody>
<tr>
<td>PE0402</td>
<td>4 mm</td>
<td>2 mm</td>
<td>18 mm</td>
<td>21 bar</td>
<td></td>
</tr>
<tr>
<td>PE0604</td>
<td>6 mm</td>
<td>4 mm</td>
<td>30 mm</td>
<td>13 bar</td>
<td></td>
</tr>
<tr>
<td>PE0806</td>
<td>8 mm</td>
<td>6 mm</td>
<td>40 mm</td>
<td>9 bar</td>
<td></td>
</tr>
<tr>
<td>PE1008</td>
<td>10 mm</td>
<td>8 mm</td>
<td>60 mm</td>
<td>7 bar</td>
<td></td>
</tr>
<tr>
<td>PE1210</td>
<td>12 mm</td>
<td>10 mm</td>
<td>80 mm</td>
<td>6 bar</td>
<td></td>
</tr>
</tbody>
</table>

Produced from an oil source (ethylene), PE is a commodity polymer used for cost sensitive applications with low level of pressures (< 5 bars) and within a restrictive range of temperatures from -10°C to +60°C.

**PE** offer excellent water barrier properties when the temperature does not exceed +60°C.

**Temperature range:** From -10°C to +60°C  
**Chemical resistance:** Available on request  
**Packaging:** - 100M = 100 m roll (standard)  
- 25BX = 25 m in carton box (on request)  
**Also available:** - 100 m in carton box (on request)  
- different sizes on drums (on request)  
**Colors:** - Natural, BK=Black, BL=Blue (standard)  
- RD=Red, YL=Yellow, GR=Green (on request)

We can offer custom colours following RAL specifications for a minimum delivery of 3.000 m.

#### CODIFICATION KEY

PE0806BL-25BX  
PE=Material 0806=Diameter  
BL=Blue 25BX=25mbox
PVC offers a flexible PVC tube reinforced with polyester fibre for compressed air, industrial gases, water and vacuum up to Ø 25 mm.

**Temperature range**: From -15°C to +60°C

**Packaging**: 50 m roll with polyethylene film around

**Color**: Transparent

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**CODIFICATION KEY**

PVC08-50M

PVC=Material  08=Diameter   50M=Lenth

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**PRO** offers an even more flexible PVC tube reinforced with polyester fibre for compressed air and industrial gas.

**Temperature range**: From -15°C to +60°C

**Packaging**: 50 m roll with polyethylene film around

**Color**: Beige

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**CODIFICATION KEY**

PRO08-50M

PRO=Material  08=Diameter   50M=Lenth