

## 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...).



roll




box



drum

### COPU - CO-POLYURETHANE 55 SHORE D TUBE - C.STAR

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	COPU04025	4 mm	2.5 mm	10 mm	22 bar	approx. 3x the working pressure
COPU0604	6 mm	4 mm	15 mm	19 bar		
COPU0806	8 mm	6 mm	25 mm	16 bar		
COPU1008	10 mm	8 mm	35 mm	12 bar		
COPU1209	12 mm	9 mm	45 mm	13 bar		

**COPU** is a very innovative tube which combines the best properties of Polyurethane and Polyamide in one product Co-Polyurethane.

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.

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

**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, BL=Blue, BK=Black, RD=Red,

YL=Yellow, GR=Green (standard)

- GY=GREY (on request)

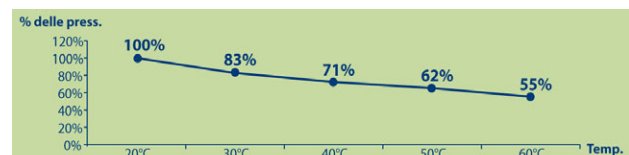
- Custom colours (RAL) for minimum 3.000 m.

#### CODIFICATIONKEY

#### COPU0806BL-25BX


COPU=Material 0806=Diameter

BL=Blue 25BX=25mbox



Pressure variation in function of temperature

## PA - POLYAMIDE PA12 TUBE - C.BEST

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

PA tube is produced with an innovative polymer named PA12PHL.

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

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

**Temperature range:** From -60°C to +130°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)

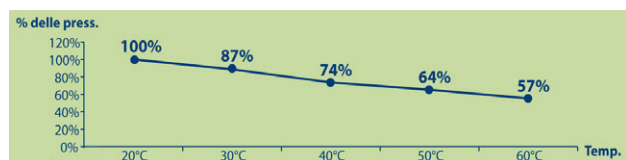
- different sizes on drums (on request)

**Colors:** - Natural, BL=Blue, BK=Black, RD=Red,

YL=Yellow, GR=Green (standard)

- OR=Orange (on request)

- Custom colours (RAL) for minimum 3.000 m.



### CODIFICATION KEY


#### PA0806BL-25BX

PA=Material 0806=Diameter

BL=Blue 25BX=25mbox

Pressure variation in function of temperature

## SP - POLYAMIDE PA12 SPIRAL TUBE - C.COIL

	TYPE	Ø Outside	Ø Inside	Ø Spiraal inside	Tube length	Work length
	SP0604/7.5	6 mm	4 mm	60 mm	7.5 m	4.3 m
	SP0604/30	6 mm	4 mm	60 mm	30 m	17 m
	SP0806/7.5	8 mm	6 mm	80 mm	7.5 m	4.3 m
	SP0806/30	8 mm	6 mm	80 mm	30 m	17 m
	SP1008/7.5	10 mm	8 mm	90 mm	7.5 m	4.3 m
	SP1008/30	10 mm	8 mm	90 mm	30 m	17 m
	SP1210/7.5	12 mm	10 mm	120 mm	7.5 m	4.3 m
	SP1210/30	12 mm	10 mm	120 mm	30 m	17 m

**COILS** ensure an excellent elastic memory and let the operator work freely.

**Temperature range:** From -60°C to +130°C

**Chemical resistance:** Available on request

**Colors:** Blue (standard)


Technical features see POLYAMIDE PA12 above

### CODIFICATION KEY

#### SP0806/7.5

SP=Spiral 0806=Diameter 7.5=length

## PU - POLYURETHANE 98 SHORE A TUBE - C.FLEX

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	PU04025	4 mm	2.5 mm	10 mm	15 bar	approx. 3x the working pressure
	PU0604	6 mm	4 mm	20 mm	13 bar	
	PU0806	8 mm	6 mm	25 mm	10 bar	
	PU10075	10 mm	7.5 mm	30 mm	10 bar	
	PU1209	12 mm	9 mm	45 mm	10 bar	

**PU** 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)

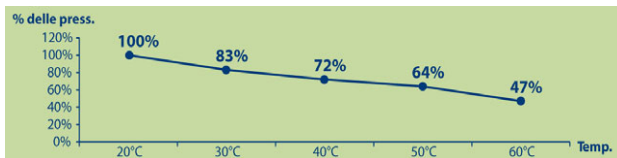
**Also available:** - 100 m in carton box (on request)

- different sizes on drums (on request)

**Colors:** - Natural, BL=Blue, BK=Black (standard)

- RD=Red, YL=Yellow, GR=Green (on request)

- Custom colours (RAL) for minimum 3.000 m.



### CODIFICATION KEY


#### PU0806BL-25BX

PU=Material 0806=Diameter

BL=Blue 25BX=25mbox

Pressure variation in function of temperature

## SP - POLYURETHANE 95 SHORE A SPIRAL TUBE WITH TANGS - SDPU/SPPU

	CODE	Ø Out/In	Ø Spiral	Tube Length	Work Length	Fitting
	SDPU0064004AZ	6/4 mm	32 mm	4 m	3 m	No
	SDPU00805505AZ	8/5.5 mm	41 mm	5 m	4 m	No
	SDPU01006505AZ	10/6.5 mm	60 mm	5 m	4 m	No
	SDPU0120805AZ	12/8 mm	80 mm	5 m	3 m	No
	SPPU0604-4-1/4	6/4 mm	32 mm	4 m	3 m	M1/4"
	SPPU08055-5-1/4	8/5.5 mm	41 mm	5 m	4 m	M1/4"
	SPPU10065-5-1/4	10/6.5 mm	60 mm	5 m	4 m	M1/4"
	SPPU1208-5-3/8	12/8 mm	80 mm	5 m	3 m	M3/8"

**COILS** ensure an excellent elastic memory and let the operator work freely.

**Temperature range:** From -40°C to +60°C

**Chemical resistance:** Available on request

**Colors:** Blue (standard)


### CODIFICATION KEY

#### SPPU0604-4-1/4

SP=Spiral PU=Material 0604=Diameter

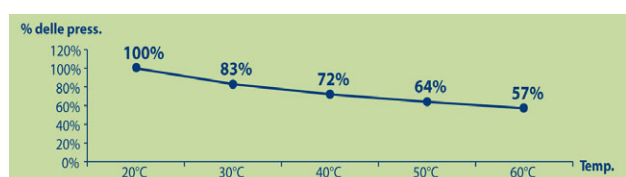
4=length 1/4=fitting

## PE - POLYETHYLENE LD - C.ECO

	TYPE	Ø Outside	Ø Inside	Bending Radius	Working Press.23°C	Burst Press.23°C
	PE0402	4 mm	2 mm	18 mm	21 bar	approx. 3x the working pressure
PE0604	6 mm	4 mm	30 mm	13 bar		
PE0806	8 mm	6 mm	40 mm	9 bar		
PE1008	10 mm	8 mm	60 mm	7 bar		
PE1210	12 mm	10 mm	80 mm	6 bar		

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

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.



Pressure variation in function of temperature

**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, BL=Blue, BK=Black (standard)

- RD=Red, YL=Yellow, GR=Green (on request)

- Custom colours (RAL) for minimum 3.000m.

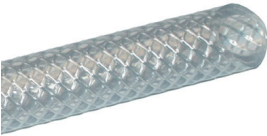
### CODIFICATION KEY

**PE0806BL-25BX**

PE=Material 0806=Diameter

BL=Blue 25BX=25mbox

## PVC - FILCLAIR N TUBE WITH POLYESTER FIBRE

	CODE	Ø Outside	Ø Inside	Bending Radius	Working Pressure at 23°C	Burst Pressure at 23°C
	PVC06-50M	12 mm	6 mm	55 mm	15 bar	approx. 3x the working pressure
PVC08-50M	14 mm	8 mm	60 mm	15 bar		
PVC10-50M	16 mm	10 mm	75 mm	15 bar		
PVC12-50M	18 mm	12 mm	105 mm	10 bar		
PVC19-50M	26 mm	19 mm	195 mm	10 bar		
PVC25-50M	33 mm	25 mm	235 mm	10 bar		


**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

## PRO - PROFILAIR TUBE WITH POLYESTER FIBRE

	CODE	Ø Outside	Ø Inside	Bending Radius	Working Pressure at 23°C	Burst Pressure at 23°C
	PRO08-50M	14 mm	8 mm	65 mm	20 bar	approx. 3x the working pressure
PRO12.7-50M	20 mm	12.7 mm	90 mm	20 bar		

**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