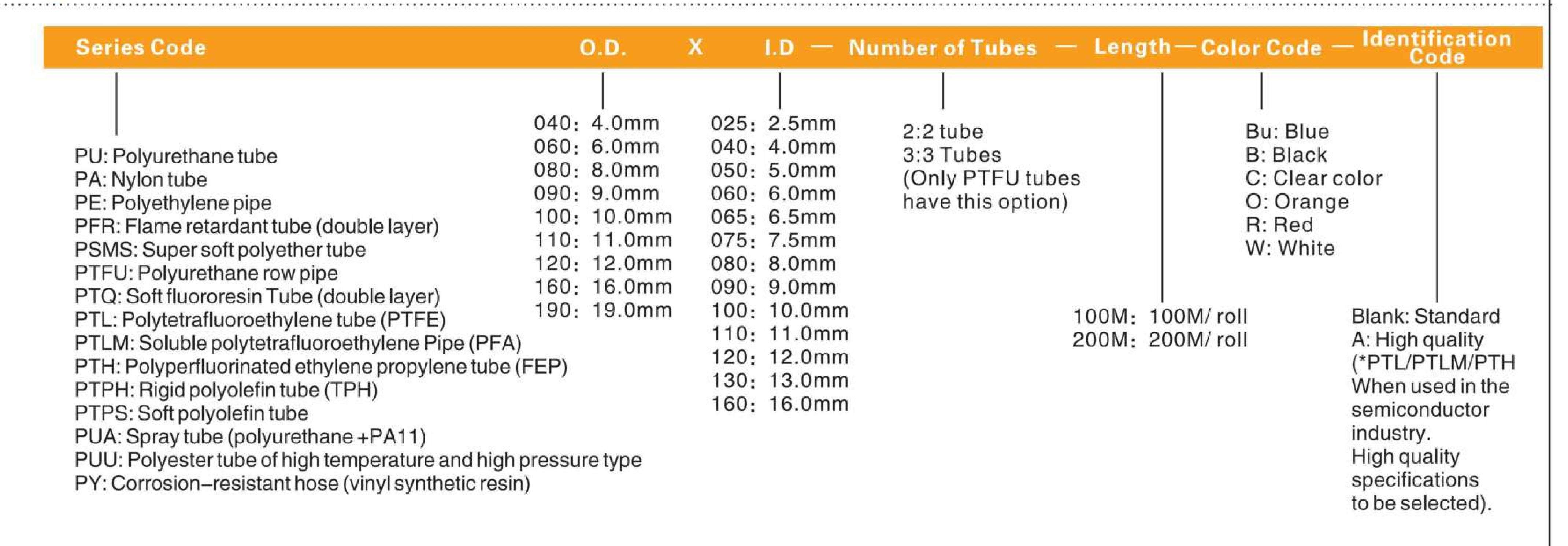
## Air Tube

## How to Order?(Metric size)



							Opt	ional Pi	pe Piam	eterano	d Length	1			
Series Code	040X025	060X040	080X050	080X060	090X060	100X065	100X075	110X080	120X080	120X090	120X100	160X110	160X120	160X130	190X160
PU:Polyurethane tube	©200M	©200M	⊚100M			©100M			©100M				©100M		
PA:Nylon tube	©100M	©100M		©100M			@100M				@100M		©100M		
PE:Polyethylene pipe		©200M	©100M				©100M		©100M						
PFR:Flame retardant tube (double layer)		©100M	©100M			©100M			©100M						
PSMS:super soft polyether tube		©200M	©100M			©100M									1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
PTFU:Polyurethane row pipe	©200M	©200M	©100M												5:
PTQ:Soft fluororesin Tube (double layer)	©100M	©100M		©100M			©100M			©100M					187
PTL:Polytetrafluoroethylene tube (PTFE)	©100M	◎100M		©100M			©100M			©100M				©100M	©100M
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)	©100M	©100M		©100M			©100M			©100M				©100M	©100M
PTH:Polyperfluorinated ethylene propylene tube (FEP)	©100M	©100M		©100M			©100M			©100M				©100M	©100M
PTPH:Rigid polyolefin tube (TPH)	©200M	©200M	©100M	©100M		©100M			©100M	©100M					
PTPS:soft polyolefin tube	©200M	©200M	©100M	©100M		©100M			©100M	©100M					
PUA:Spray tube (polyurethane +PA11)		©100M	©100M		©100M	©100M		©100M	©100M			©100M			
PUU:Polyester tube of high temperature and high pressure type	©200M	©200M	©100M			©100M			©100M				©100M		
PY:Corrosion-resistant hose (vinyl synthetic resin)	©200M	©200M	©100M				©100M		◎100M				©100M		

If you need other specifications, please consult sales

			Optiona	I Color		
Series Code	Bu:Blue	B:Black	C:Clear Color	O: Orange	R:Red	W:White
PU:Polyurethane tube		0	0	0		
PA:Nylon tube	0	0	0			0
PE:Polyethylene pipe		0	0			0
PFR:Flame retardant tube (double layer)	0	0			0	
PSMS:Super soft polyether tube			0			
PTFU:Polyurethane row pipe		0				
PTQ:Soft fluororesin Tube (double layer)			0			
PTL:Polytetrafluoroethylene tube (PTFE)						0
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)			0			
PTH:Polyperfluorinated ethylene propylene tube (FEP)			0			
PTPH:Rigid polyolefin tube (TPH)			0			
PTPS:Soft polyolefin tube						
PUA:Spray tube (polyurethane +PA11)						
PUU:Polyester tube of high temperature and high pressure type		0				
PY:Corrosion-resistant hose (vinyl synthetic resin)			0			

If you need other specifications, please consult sales

## O How to Order? (Inch size)



Cariaa Cada				Option	al Pipe Piam	neter and Le	ngth		
Series Code	1/8"	1/4"	5/16"	3/8"	1/2"	3/4"	5/32"	3/16"	5/8"
PU:Polyurethane tube	©100M	© 100M	@ 1 O O N A	@ 1 O O N 1	@ 1 O O N A	@ 100M	@ 100M		
r o.r olyulethane tube	©200M	©200M	©100M	©100M	©100M	© 100M	© 100M		
PA:Nylon tube	© 100M	©100M	@100M	@ 100M	@ 1 O O N A	@100M	@100M	@ 1 O O N A	@ 1 O O N A
A.INJIOIT LUDE	©200M	©200M	©100M	© 100M	© 100M	© 100M	© 100M	© 100M	© 100M
PE: Polyethylene pipe	© 100M	© 100M	@100M	@ 1 O O N A	@ 1 0 0 N A	@ 100M	@ 1 0 0 N A		
L. Polyethylene pipe	©200M	©200M	©100M	© 100M	© 100M	© 100M	© 100M		
PTL:Polytetrafluoroethylene tube (PTFE)		© 100M							
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)				© 100M					
PTH:Polyperfluorinated ethylene propylene tube (FEP)						©100M			

If you need other specifications, please consult sales

Carica Cada			Optional Color								
Series Code	Bu:Blue	B:Black	C:Clear Color	O: Orange	R:Red	W:White					
PU:Polyurethane tube	0	0		0	0						
PA:Nylon tube	0	0	0	0	0	0					
PE: Polyethylene pipe	0	0	0	0	0	0					
PTL:Polytetrafluoroethylene tube (PTFE)						0					
PTLM:Soluble polytetrafluoroethylene Pipe (PFA)			0								
PTH:Polyperfluorinated ethylene propylene tube (FEP)			0								

If you need other specifications, please consult sales

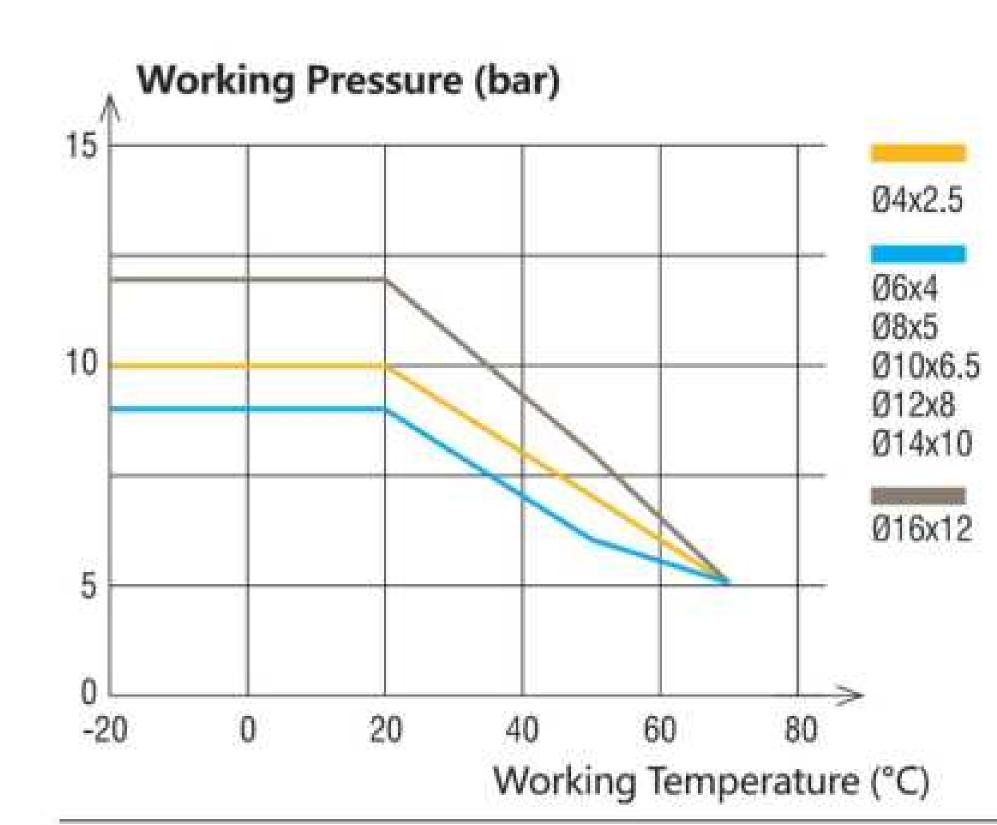
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# PU Polyester Tube/PU Cutter



#### O PU Tube Performance



Burst pressure is 3 times higher than values in this graph.

## O Specifications(Metric size)

Par	t No.	O.D (mm)	I.D (mm)	Length (m/roll)	Operating Pressure (kgf/cm²) (air)	Max. Pressure (kgf/cm²)	Working Temperature	Bending Radius (mm)	Available Colour	Fluid Pressure
	PU030X020	3.0	2.0	200	10	32	-20℃~70℃	10		0.1~0.8 MPa
	PU040X020	4.0	2.0	200	10	32	-20°C~70°C	10		0.1~0.8 MPa
	PU040X025	4.0	2.5	200	10	32	–20℃~70℃	10		0.1~0.8 MPa
	PU050X030	5.0	3.0	200	10	32	-20℃~70℃	8		0.1~0.8 MPa
	PU060X040	6.0	4.0	200	8	24	-20℃~70℃	15		0.1~0.8 MPa
PU tube	PU080X050	8.0	5.0	100	10	32	-20℃~70℃	20	BLUE/	0.1~0.8 MPa
	PU080X055	8.0	5.5	100	8	24	-20℃~70℃	20	BLACK/	0.1~0.8 MPa
	PU080X060	8.0	6.0	100	8	24	-20℃~70℃	20	TRANSPARENT	0.1~0.8 MPa
	PU100X060	10.0	6.0	100	8	24	-20℃~70℃	25	ORANGE/	0.1~0.8 MPa
	PU100X065	10.0	6.5	100	8	24	-20℃~70℃	25	RED	0.1~0.8 MPa
	PU100X075	10.0	7.5	100	8	24	-20℃~70℃	25		0.1~0.8 MPa
	PU120X080	12.0	8.0	100	8	24	-20℃~70℃	35	1	0.1~0.8 MPa
	PU140X100	14.0	10.0	100	8	24	-20℃~70℃	45	]	0.1~0.8 MPa
	PU160X120	16.0	12.0	100	8	24	-20℃~70℃	70		0.1~0.8 MPa

Note: Please check with E.MC for color available and MOQ.

## Specifications (Inch size)

Par	t No.	O.D (inch)	Length (m/roll)	Operating Pressure (kgf/cm²) (air)	Max. Pressure (kgf/cm²)	Working Temperature	Bending Radius (mm)	Available Colour	Fluid Pressure
	PU1/8	1/8"	200	10	32	-20℃~70℃	10		0.1~0.8 MPa
	PU5/32	5/32"	200	10	32	-20℃~70℃	10	BLUE/	0.1~0.8 MPa
DILL	PU1/4	1/4"	200	8	24	-20°C~70°C	15	BLACK/	0.1~0.8 MPa
PU tube	PU5/16	5/16"	100	10	32	-20℃~70℃	20	TRANSPARENT/	0.1~0.8 MPa
	PU3/8	3/8"	100	8	24	-20℃~70℃	25	ORANGE/	0.1~0.8 MPa
55	PU1/2	1/2"	100	8	24	-20℃~70℃	35	RED	0.1~0.8 MPa

Note: Please check with E-MC for color available and MOQ.





Model: ECP-01



# PA Nylon tube/PE Polyethylene pipe



Part	tNo.		O.D (mm)	I.D (mm)	Length (m/roll)	Operating Pressure (kgf/cm)(air)	Max. Pressure (kgf/cm)	Working Temperature	Bending Radius(mm)	Available Colour	Fluid Pressure
		PA040X020	4.0	2.0	200	45	135	-30°C-100°C	30		4.5MPa
		PA050X030	5.0	3.0	200	45	135	-30℃-100℃	30		4.5MPa
		PA060X040	6.0	4.0	200	27	81	-30°C−100°C	40		3.2MPa
		PA080X060	8.0	6.0	100	19	57	-30℃-100℃	50		2.6MPa
		PA100X070	10.0	7.0	100	15	45	-30℃-100℃	60		2.8MPa
		PA100X075	10.0	7.5	100	15	45	-30℃-100℃	60		2.8MPa
	PA 11-6	PA100X080	10.0	8.0	100	15	45	-30°C-100°C	65		2.7MPa
	Tube	PA120X080	12.0	8.0	100	19	57	-30°C-100°C	70		3.2MPa
		PA120X090	12.0	9.0	100	19	57	-30℃-100℃	70		3.2MPa
		PA120X100	12.0	10.0	100	19	57	-30℃-100℃	70		2.4MPa
		PA140X100	14.0	10.0	100	19	57	-30℃-100℃	100	BLUE/	2.4MPa
		PA140X110	14.0	11.0	100	19	57	-30℃-100℃	100	BLACK/ TRANSPARENT/ ORANGE/ RED	2.8MPa
		PA150X120	15.0	12.0	100	19	57	-30℃-100℃	100		2.8MPa
		PA160X120	16.0	12.0	100	19	57	-30℃-100℃	130		2.8MPa
PA		PA160X130	16.0	13.0	100	19	57	-30℃-100℃	130		2.8MPa
tube		PA040X020	4.0	2.0	200	45	135	-40°C-120°C	30		3.4MPa
		PA050X030	5.0	3.0	200	45	135	-40°C-120°C	30		3.4MPa
		PA060X040	6.0	4.0	200	27	81	-40℃-120℃	40		2.8MPa
		PA080X060	8.0	6.0	100	19	57	-40°C-120°C	50		2.6MPa
		PA100X070	10.0	7.0	100	15	45	-40℃-120℃	60		2.6MPa
		PA100X075	10.0	7.5	100	15	45	-40℃-120℃	60		2.6MPa
	5.4.0	PA100X080	10.0	8.0	100	15	45	-40°C-120°C	65		2.0MPa
	PA12	PA120X080	12.0	8.0	100	19	57	-40°C-120°C	70		2.6MPa
	Tube	PA120X090	12.0	9.0	100	19	57	-40℃-120℃	70		2.6MPa
		PA120X100	12.0	10.0	100	19	57	-40°C-120°C	70		2.6MPa
		PA140X100	14.0	10.0	100	19	57	-40°C-120°C	100		2.2MPa
		PA140X110	14.0	11.0	100	19	57	-40°C-120°C	100		2.0MPa
		PA150X120	15.0	12.0	100	19	57	-40℃-120℃	100		2.0MPa
		PA160X120	16.0	12.0	100	19	57	-40°C-120°C	130		2.0MPa
,		PA160X130	16.0	13.0	100	19	57	-40°C-120°C	130		2.0MPa

## PE Polyethylene Pipe

		Dimensions		Morking Property	Drook Droouro	Donding Doding
Model Number	Inside Diameter	Outside Diameter	Length	Working Pressure	Break Pressure	Bending Radius
	mm	mm	m	kgf/cm <sup>2</sup>	kgf/cm <sup>2</sup>	mm
PE060X040	4	6	200	8	20	20
PE080X050	5	8	100	10	25	35
PE100X075	7.5	10	100	7	18	50
PE120X080	8	12	100	10	24	60

# PFR Series Flame Retardant Tube (Double Layer)



## PFR

## Flame Retardant Tube (Double Layer)



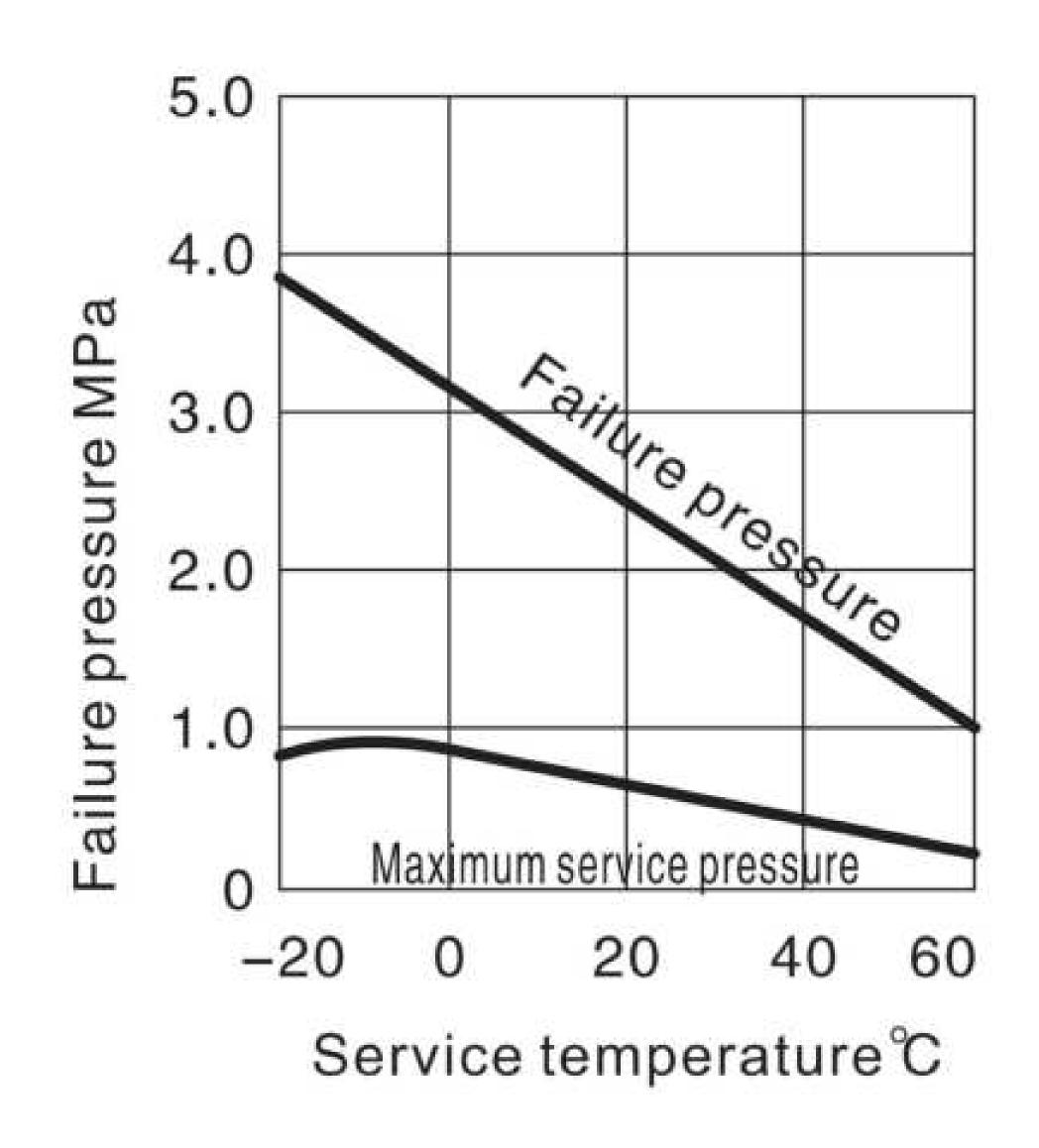
#### O Product Features

- Inner high resilience PU tube, outer flame retardant layer refractory resin, effectively achieve flame retardant.
- Fire retardant flower, anti-splash effect, flame retardant effect equivalent to UL94-V0 level.
- Product usage: Determine the mounting length from the mounting to the quick-plug connector. Peel off only the outer layer with a peel tool. Install the inner pipe to the quick plug connector.
- Suitable for automobile welding fixture, robot welding and other flame-proof spray field.

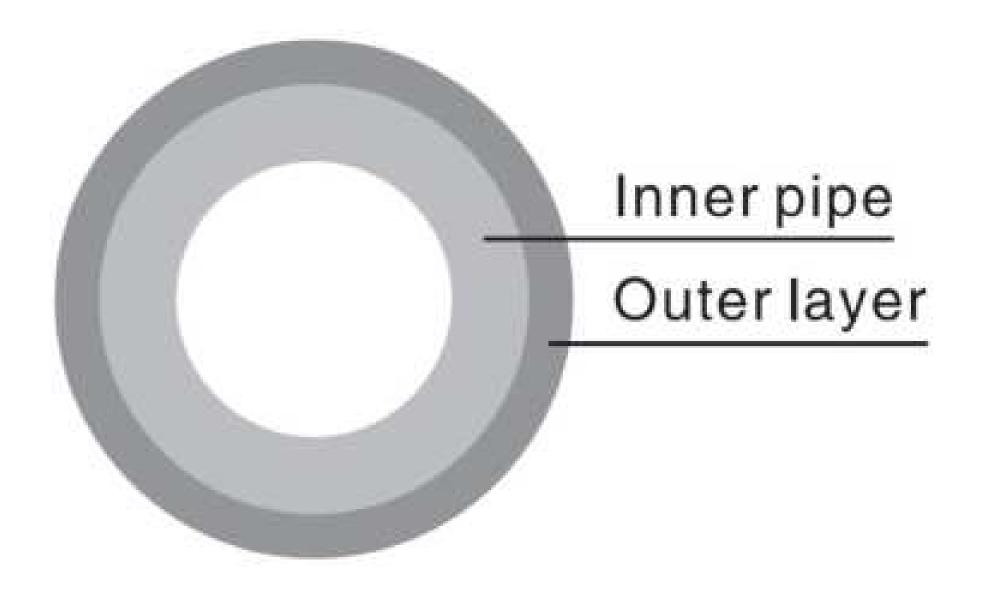
## Specifications

N	Model Number	PFR040X025	PFR060X040	PFR080X050	PFR100X065	PFR120X080	PFR140X100	PFR160X120	
Use fluid	d		Air and water						
Maximum	mum working pressure (at 20℃)								
Ambient humic	dity and operating fluid temperature		–20℃+60℃ water occasions 0~40 ℃ (when frozen)						
Motorial	Innertube	Polyurethane							
Material	Outer tube	Refractory resin equivalent to UL94–V0 level							

#### Failure Pressure Characteristic Curve and Service Pressure



## Section Diagram





## PS MS

## Super Soft Polyether Tube



## Product Features

- Suitable for equipment with small installation radius, such as mechanical arm, robot, tank chain and other round-trip action.
- With very good resistance to extreme cold weather performance.

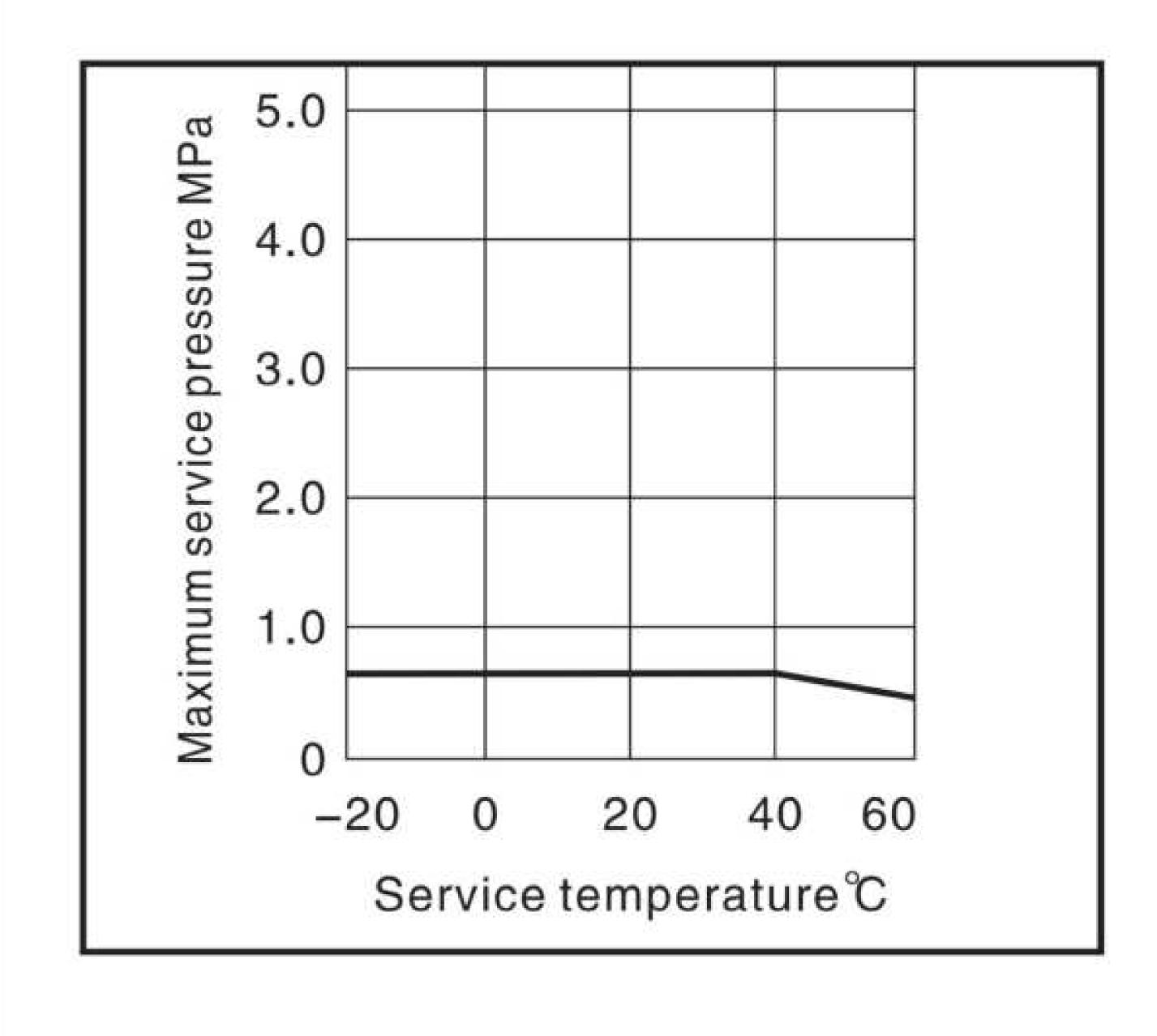
## Specifications

	Model Number	PSMS060X040	PSMS080X050	PSMS100X065
C:	O.DXI.D(mm)	6X4	8X5	10X6.5
Size	Package Length (m)	200	100	100
Allowed	fluid		Air, water, weak acids, bases	
Maximur	n working pressure range		87psi(0.6MPa)(65%RH at 20°C)	
Operatin	g temperature range	_4	0°C to 60°C(−40−140°F)(no freezir	ng)
Inserting and pulli	ng force (N) Unlined sleeve	60	60	85
	joints With memory sleeve	230	250	300
	n bending radius ( mm)	15	20	22
Minimum	n mounting radius(mm)	21	26	28

Note: The maximum pressure range is 20° C. 65%. When used at other temperature conditions, please judge the safe enough value according to the corresponding burst pressure curve.

When the tube is applied to the moving end of vibration and bending, the tube may rupture due to the temperature rise caused by automatic heating generated by molecular heat.

#### Maximum Service Pressure





## PTFU

## Polyurethane Pipe



## O Product Features

- This flexible multi-core tube is a polyurethane tube.
- The multi-row pipe is suitable for providing air supply for double and multi-action equipment.
- The pipe can be customized according to the requirements of multi-row multi-color side by side, used to distinguish the inlet loop.

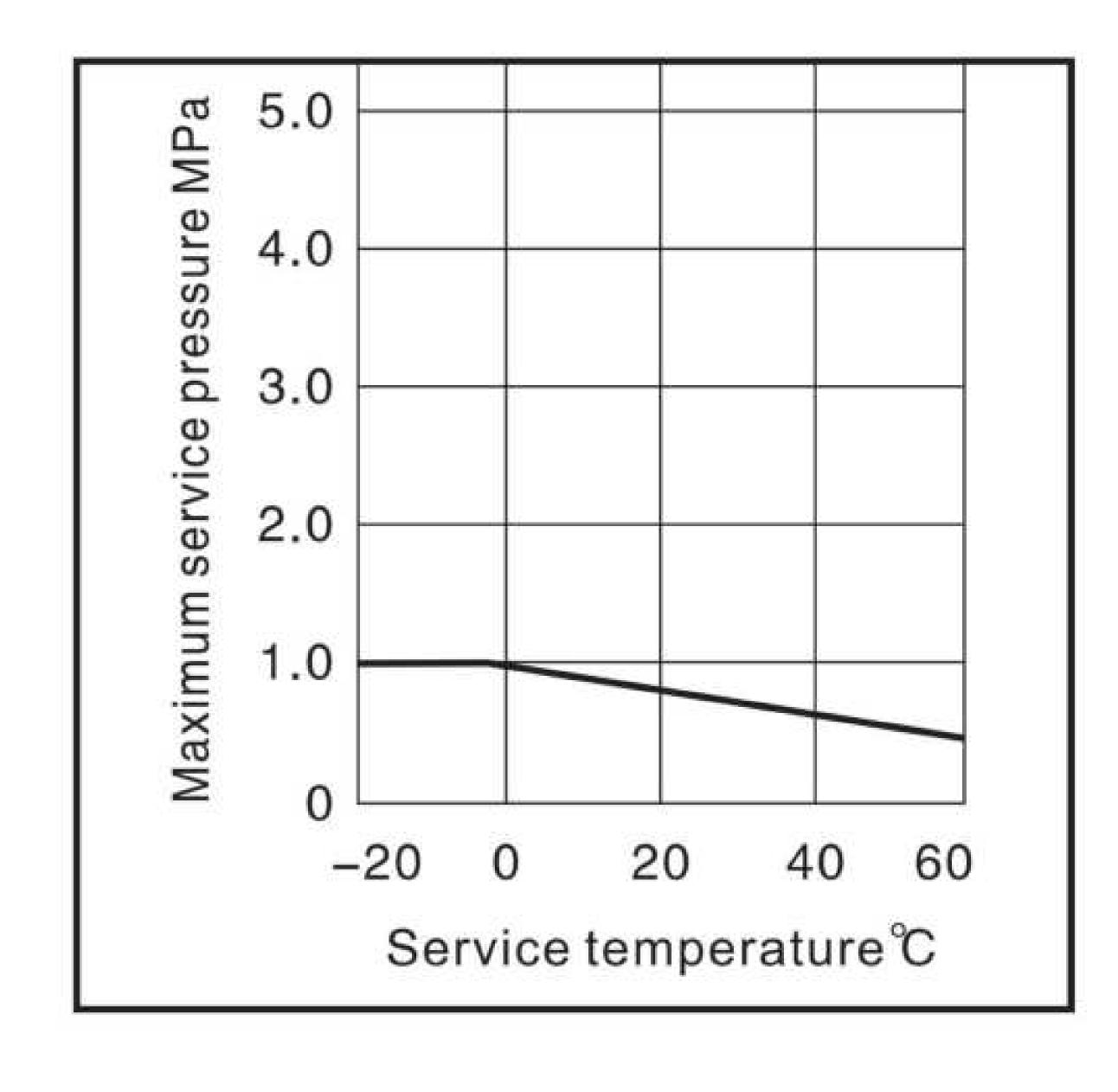
## Specifications

	Model Number	PTFU040X025	PTFU060X040	PTFU080X050				
C:	O.DXI.D(mm)	4X2.5	6X4	8X5.5				
Size	Package Length (m)	200/100	200/100	100/50				
Allow	ed fluid	Air, water, weak acids, bases						
Maxir	num working pressure range		116psi(0.8MPa)(65%RH at 20 °C)					
Worki	ing vacuum		—29.5in.Hg(-100kPa)					
Opera	ating temperature range	-40°C-60°C(-40-140° F)(no freezing)						
Minimum bending radius (mm)		10	15	20				
Minimum mounting radius(mm)		15	21	26				

Note: The maximum pressure range is 20°C, the value under 65% conditions, when used in other temperature conditions, please judge the safe enough value from the line according to the corresponding burst pressure.

When the pipe is applied to the moving end of vibration and bending, it may be due to the rise in selectivity caused by automatic heating generated by molecular heat that causes the pipe to break.

## Maximum Service Pressure





## PTO

## PTFE Pipe



#### Product Features

- Materials: Inner layer: special fluorine resin, outer layer special nylon
- Resin fluid: air, water, inert gas, solvent, paint
- Fluid temperature: −20° C −+100° C
- High temperature resistance, corrosion resistance, chemical solvent resistance
- Application in spraying industry

## Specifications

Model Number	PTQ040x025	PTQ060x040	PTQ0800x060	PTQ100x075	PTQ1200x090			
Use fluid		Air, water, inert gases, solvents, paint						
Maximum service pressure		Refer to table below						
Minimum bending radius	4mm	9mm	26mm	40mm	37mm			
Service temperature	–20℃~+100℃							

## Applicable Fluid Table

The liquid in the table is the chemical liquid of insensitive pipe material \* Note 1), but due to the temperature, pressure and concentration of the liquid resulting in penetration and expansion, there are still occasions that cause problems.

When the tube is used in the environment of liquid medicine, please conduct adequate test in the same environment. Make sure it is used in the conditions and without any problems before it is put into actual use.

Drug name	Hydrochloric acid	Sulfuric acid	Nitric acid	Caustic soda	Caustic potash	Chlorine water	Hydrogen peroxide	Water	Phenol	Benzene	Toluene
Inner layer (special fluorine resin)	<b>V</b>	$\sim$			<b>V</b>	<b>V</b>	<b>V</b>		$\sim$	$\sqrt{}$	
Outer layer (special nylon resin)	0	0	Х	0	0	V	0	$\sqrt{}$	Х	0	0
Drug name	Xylene	Carbon tetrachloride	Acetone	Butanone	Citric acid	Stearic acid	Formic acid	Ethyl acetate	Butyl acetate	Methanol	Ethanol
Inner layer (special fluorine resin)	<b>V</b>	V	<b>√</b>	<b>√</b>	<b>√</b>	V	V		<b>√</b>	<b>√</b>	<b>V</b>
Outer layer (special nylon resin)	0	Х	0	0	0	0	0		0		<b>√</b>
Drug name	Butanol	Isopropyl alcohol	Fibrinolytic agent	Hexane	Cyclohexane	Mineral oil	ASTMNo.3	Naphtha			
Inner layer (special fluorine resin)	V	<b>√</b>	0	V	<b>√</b>	1		V			
Outer layer (special nylon resin)	V	V	0	0	0	1	/	V			

Note 1) Chemical insensitivity means that no obvious chemical reaction takes place.

Note 2) Base of judgment, V can be used :0 measure better do not use; x can not be used.

Note 3) The "Applicable fluid table" is a reference value obtained by testing under certain conditions and is not a value that is guaranteed to be used.

Note 4) The "Applicable fluid table" is for the material of the pipe. Please consult separately for use in environments such as solvents.

## Maximum service pressure

Unite: MPa

Temperature(°C)	PTQ040X025	PTQ060X040	PTQ080X060	PTQ100X075	PTQ120X090
-20~20	2.0	1.9	1.5	1.1	1.2
30	1.7	1.6	1.2	0.9	1.0
40	1.4	1.4	1.0	0.8	0.9
50	1.2	1.1	0.8	0.6	0.8
60	1.1	1.0	0.7	0.5	0.7
70	1.0	0.9	0.6	0.4	0.6
80	0.9	0.8	0.5	0.4	0.5
90	0.8	0.7	0.4	0.3	0.4
100	0.7	0.6	0.4	0.3	0.3



## PTI

## Polytetrafluoroethylene Pipe (PTFE)



#### O Product Features

- High and low temperature resistance, continuous use temperature −80 ℃−260℃
- Corrosion resistance (strong acid, alkali, chemical agent, oil resistance).
- High voltage resistance (30KV/mm), good insulation performance.
- Suitable for aerospace electrical appliances, electronic transformer leads, chemical equipment diversion, tracing pipe, cable lining.

## O Specifications

Model Nu	mber	PTL040X025	PTL060X040	PTL080X060	PTL100X075	PTL120X090	PTL160X130	PTL190X160		
Dimonoiono	O.DXI.D(mm)	4X2.5	6X4	8X6	10X7.5	12X9	16X13	19X16		
Dimensions	Package length (m)	100	100	10	100	100	100			
Relative	lensity		2.14~2.20							
Tensile st	rength (MPA)		≥25							
Tensile yi	eld strength (MPA)				≥11					
Elongatio	n (%)		≥300							
Arc resist	ance		>300							
Hardness	(D)				59~63					
Meltingpo	oint (°C)				327					
Continuous	s service temperature (°C)				-80~260					
Oxygen ir	ndex (%)				>90					
Waterabs	sorption rate (%)	<0.01								
Linear expans	ion coefficient (X105/℃) 21–100	10								
Breakdow	n strength (kv/mm)	≥30								
Volume re	esistivity (Q.m)				1X10 <sup>18</sup>					



## PTLM

Soluble Teflon Pipe (PFA)



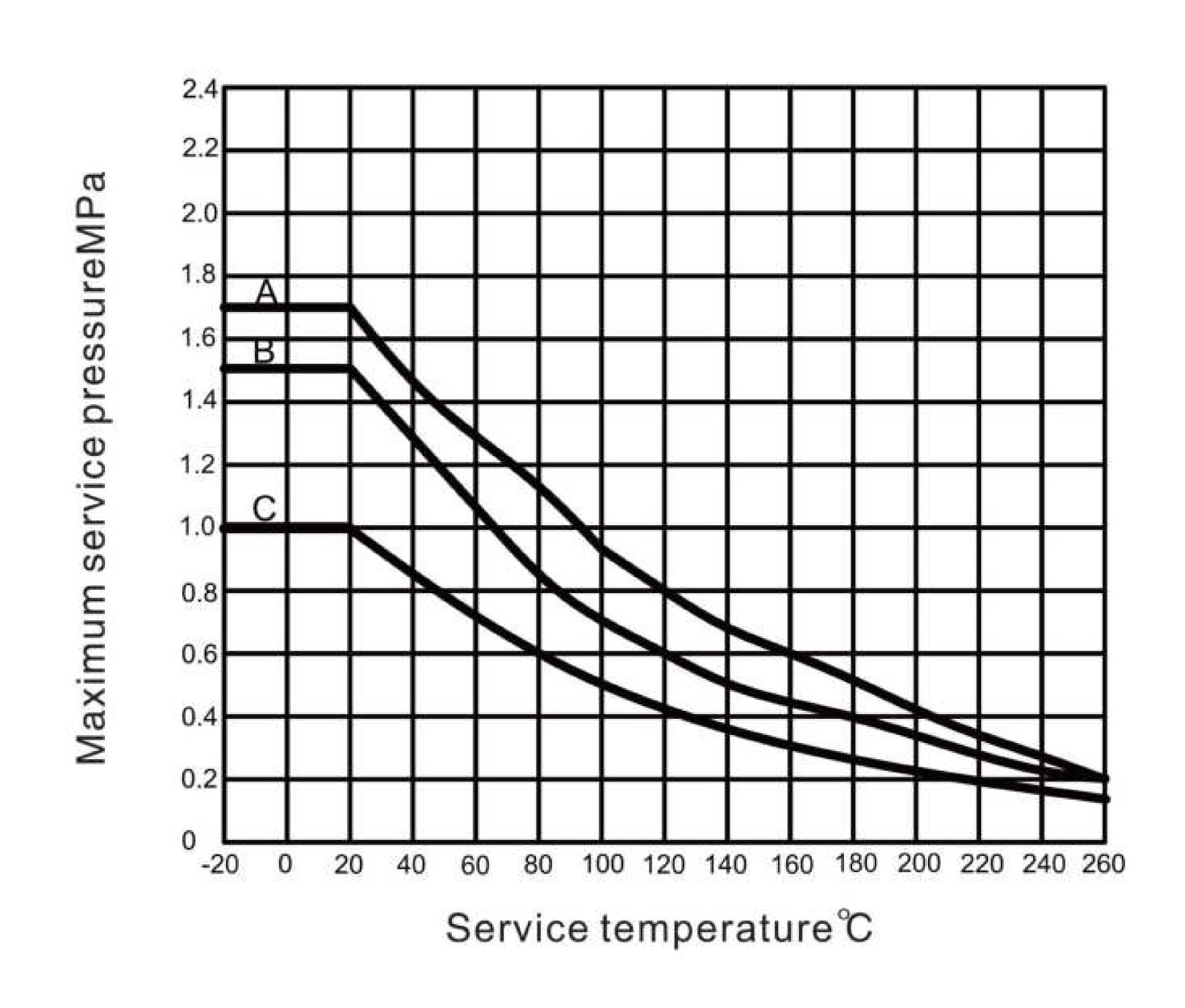
#### Product Features

- Material: Polyresin of teflon and perfluranoxyethylene
- Fluids: Air, water, oil, strong acids. Strong base
- Fluid temperature:-200℃~+260℃
- Excellent high and low temperature resistance and sliding performance
- Excellent corrosion resistance and chemical stability

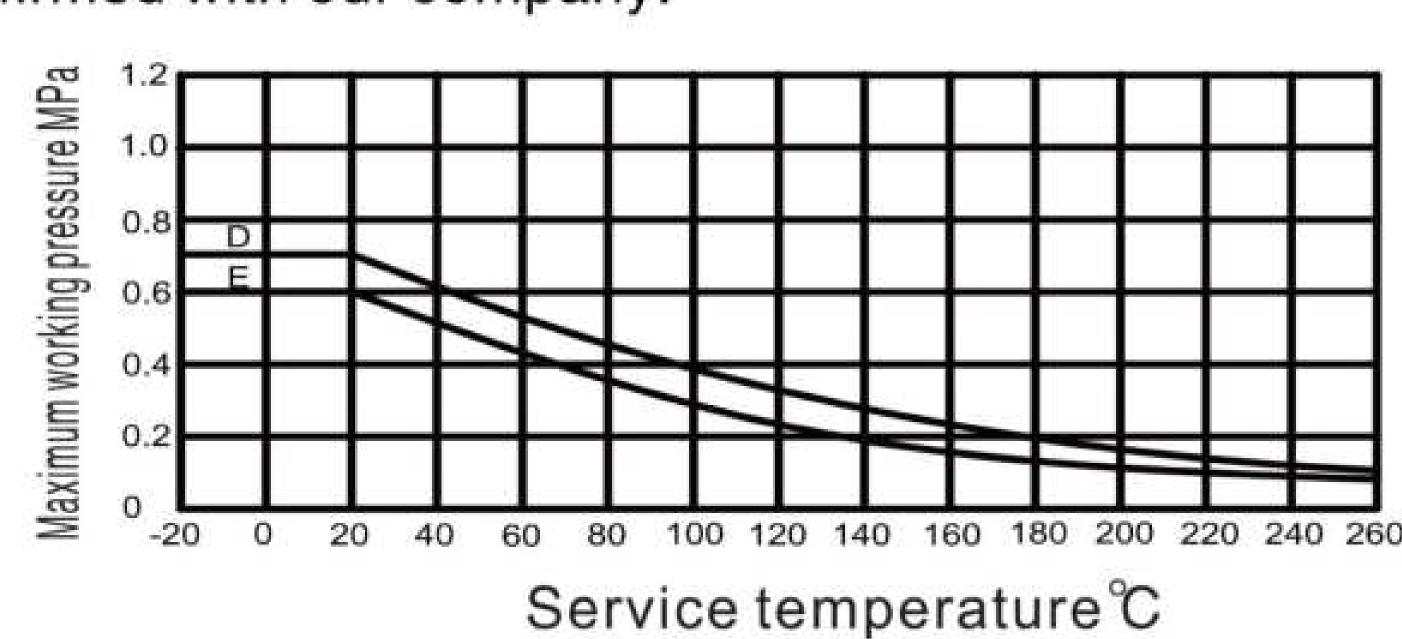
## Specifications

Model Number	PTLM040X025	PTLM060X040	PTLM080X060	PTLM100X075	PTLM120X090	PTLM160X130				
Use fluid		Air, water, oil, strong acids. Strong base								
Maximum working pressure (at 20℃)		Refer to graph of maximum operating pressure								
Maximum service pressure			Refer to graph of m	aximum operating	oressure					
Minimum bending radius	20mm	20mm 35mm 60mm 95mm 100mm 165mm								
Service temperature	–200°C∼+260°C									

## O Cyclic Pressure Characteristic Curve and Service Pressure



Note: The detailed specification, delivery date and color should be confirmed with our company.



Maximum service pressure MPa Classification Model size 260℃ 20°C 100℃ 200°℃ 040X025 0.23 0.9 0.45 060X040 0.2 0.7 1.5 0.35 080X060 0.15 0.5 0.25 100X075 0.15 0.5 0.25 0.15 120X090 0.5 0.25 160X130 0.7 0.17 0.11 0.35 120X100 0.6 0.3 0.15 0.1

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## PTH

## Polyurethane Pipe



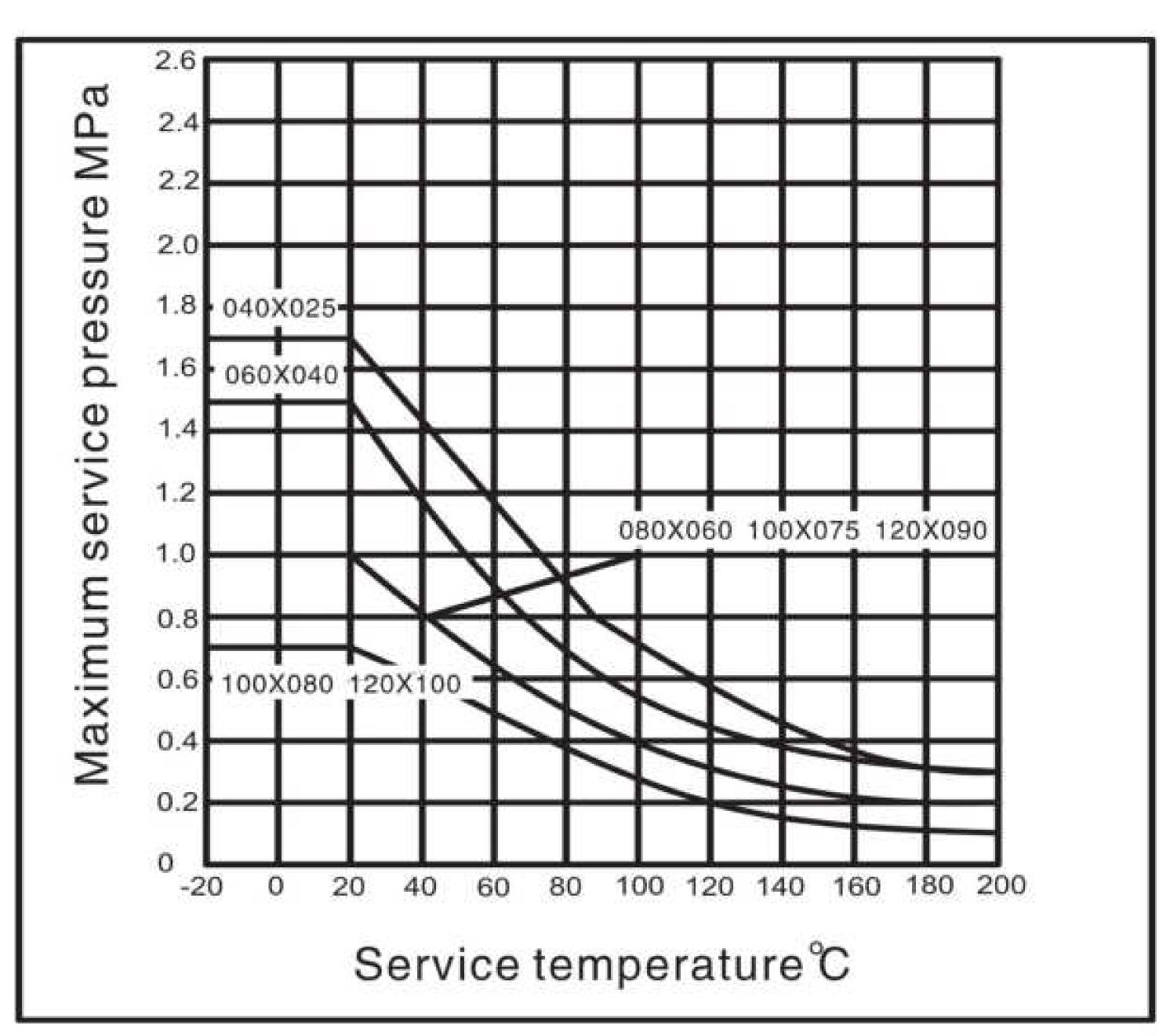
#### O Product Features

- PTH tubing is transparent, high-performance tubing with excellent physical and chemical properties.PTH pipe basically retains the characteristics of PTL, such as excellent high temperature resistance and low mixing, chemical stability, high non-adhesion and mechanical strength.
- It is used in medical instruments, semiconductor devices, medical catheters, food machinery, chemical liquid conveying for thermal exchangers, liquid core fiber sheathing, 4G/5G communication low-pass sleeve, etc.
- Thermal stability, excellent and stable performance in the temperature range of −150°C−200°C.
- UV protection.
- Excellent chemical resistance.
- Uniform wall thickness.

## Specifications

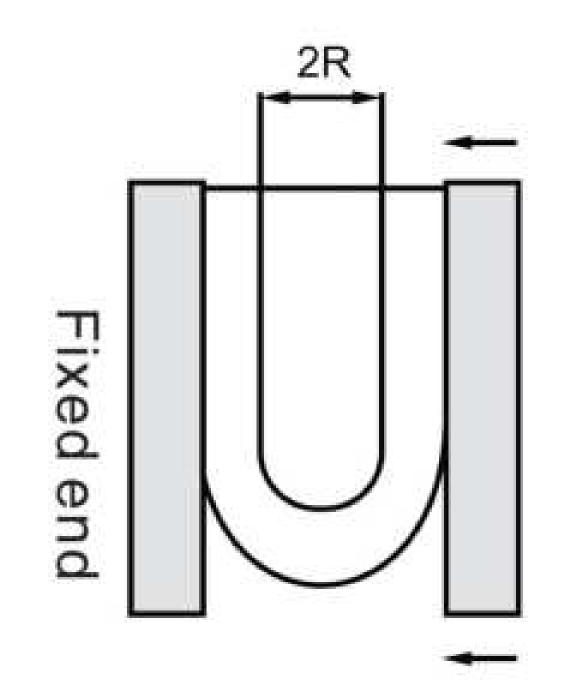
Model Number	PTH040X025	PTH120X090									
Use fluid		Air, water, oil, strong acids, strong alkalis									
Maximum working pressure (at 20℃)		Refer to graph of maximum operating pressure									
Maximum service pressure		Refer to	graph of maximum ope	erating pressure							
Minimum bending radius	20mm	20mm 35mm 60mm 95mm 100mm									
Service temperature	−150°C~+200°C										

## O Cyclic Pressure Characteristic Curve and Service Pressure



Note: Same outside diameter, different inside diameter, the maximum operating pressure will be different.

## Method for Determination of Minimum Bending Radius



Under the condition of 20 degrees Celsius, let the pipe bend into a U-shape, one end fixed, the other end slowly close, the pipe bending, flattening, etc. 2R measured.

Note: This product is mainly painted, solvent, use other media, please contact the company.

9.62



## PTPH

Hard Polyolefin Tube (TPH)



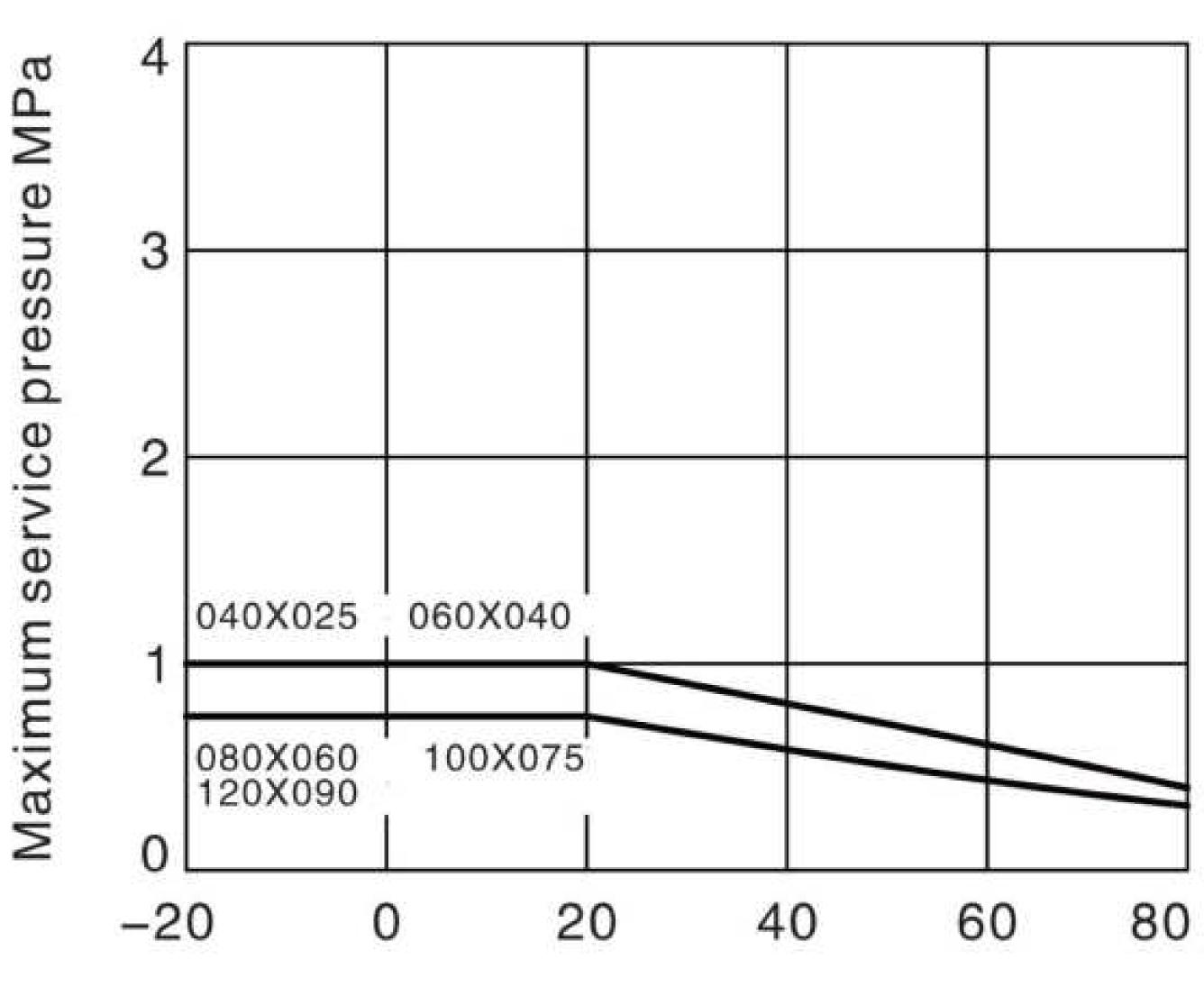
#### Product Features

- Material: polyolefin resin
- Fluid: air, water, general acid and base
- Fluid temperature: −20°C−+80°C
- It has good low temperature resistance, chemical stability,
- Resistant to most acid and base erosion,
- At room temperature, salt, hydrofluoric acid, phosphoric acid, formic acid, hydrogen, sodium hydroxide, potassium oxide and other chemical substances invasion
- Hydrolysis resistance, oil resistance
- Meet FDA food grade requirements, can be used in food, medical, emiconductor equipment, etc.
- This product is especially suitable for electrolytes, nitrogen and pure water.

## Specifications

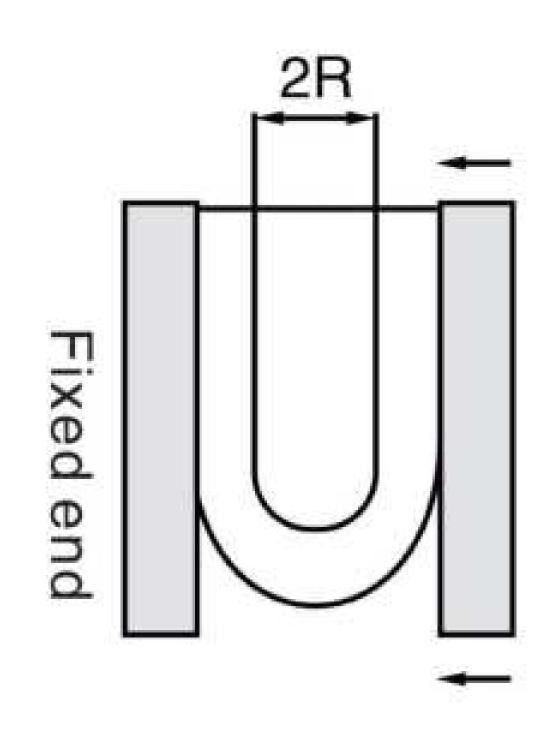
Model Number	PTPH040X025	PTPH060X040	PTPH080X050	PTPH080X060	PTPH100X065	PTPH120X080	PTPH120X090				
Use fluid		Air, water									
Maximum working pressure (at 20℃)		0.8MPa									
Maximum service pressure			Refer to gra	aph of maximum	operating pressi	ure					
Minimum bending radius	13mm	13mm 24mm 20mm 40mm 50mm 60mm 60mm									
Service temperature		–20℃~+80℃									

## O Cyclic Pressure Characteristic Curve and Service Pressure



Service temperature °C

#### Method for Determination of Minimum Bending Radius



Under the condition of temperature 20°C, let the pipe bend into a U−shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1. This product mainly used gas, water, use other media please contact the company.

2. The minimum bending radius is in the temperature of 20℃, the measurement of bending value.



## PTPS

## Soft Polyolefin Tube



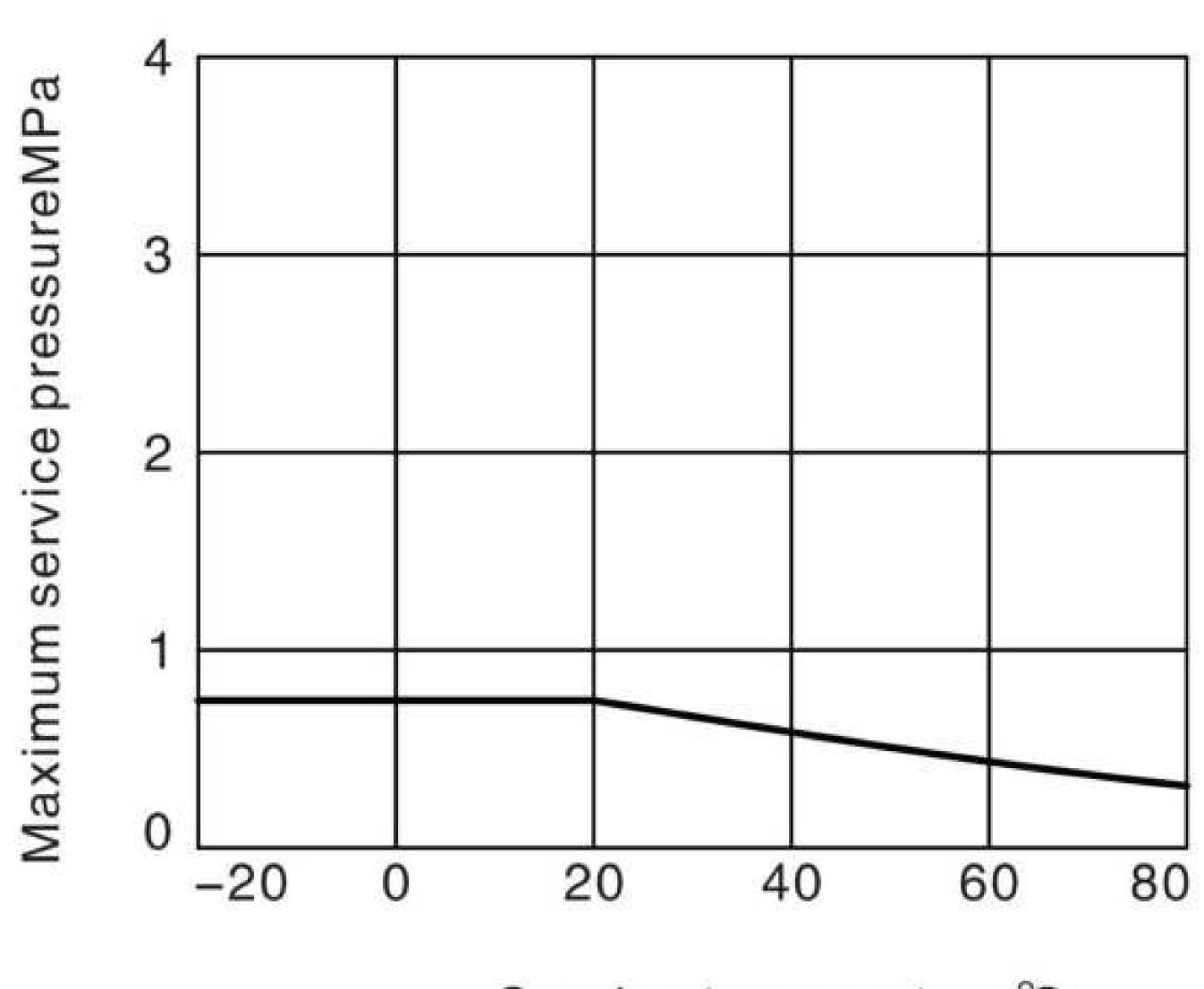
#### O Product Features

- Material: polyolefin resin
- Fluid: air, water, nitrogen, general acid and base.
- Fluid temperature: −20°C+80°C.
- Good low temperature resistance, chemical stability, resistance to most acid and base erosion.
- At room temperature, alkali, hydrofluoric acid, phosphoric acid, formic acid, nitrogen, sodium hydroxide, hydrogen oxidation
   Potassium and other chemicals attack.
- Resistance to hydrolysis and oil.
- Meet FDA food grade requirements, can be used in food, medical, semiconductor equipment, etc.
- This product is especially suitable for electrolytes, nitrogen, and pure water.

## Specifications

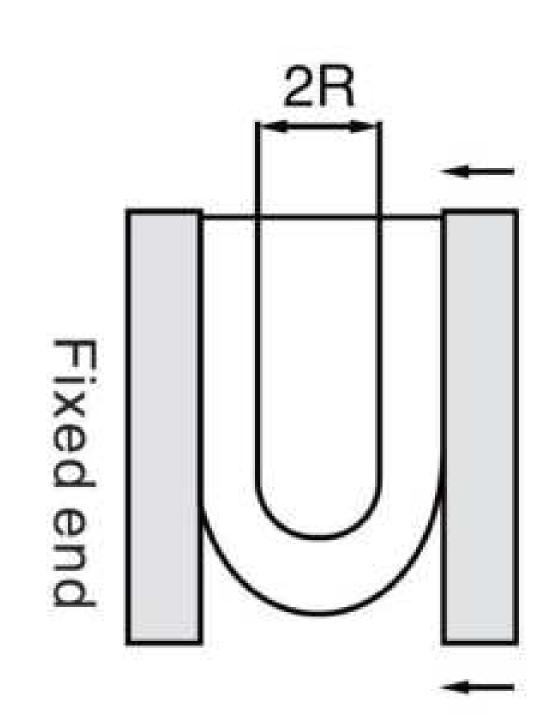
Model Number	PTPS040X025	PTPS060X040	PTPS080X050	PTPS080X060	PTPS100X065	PTPS120X080	PTPS120X090					
Use fluid		Air, water, chlorine, general acid and base										
Maximum working pressure (at 20°C)		0.8MPa										
Maximum service pressure			Refer to	graph of maximu	m operating pres	sure						
Minimum bending radius	10mm	10mm 15mm 20mm 40mm 30mm 35mm 60mm										
Service temperature		−20°C~+80°C										

## O Cyclic Pressure Characteristic Curve and Service Pressure



#### Service temperature °C

## Method for Determination of Minimum Bending Radius



Under the condition of temperature 20°C, let the pipe bend into a U−shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1. This product mainly used gas, water, use other media please contact the company.

2、The minimum bending radius is in the temperature of 20℃, the measurement of bending value.



## PUA

Spray Pipe (Polyurethane+PA11)

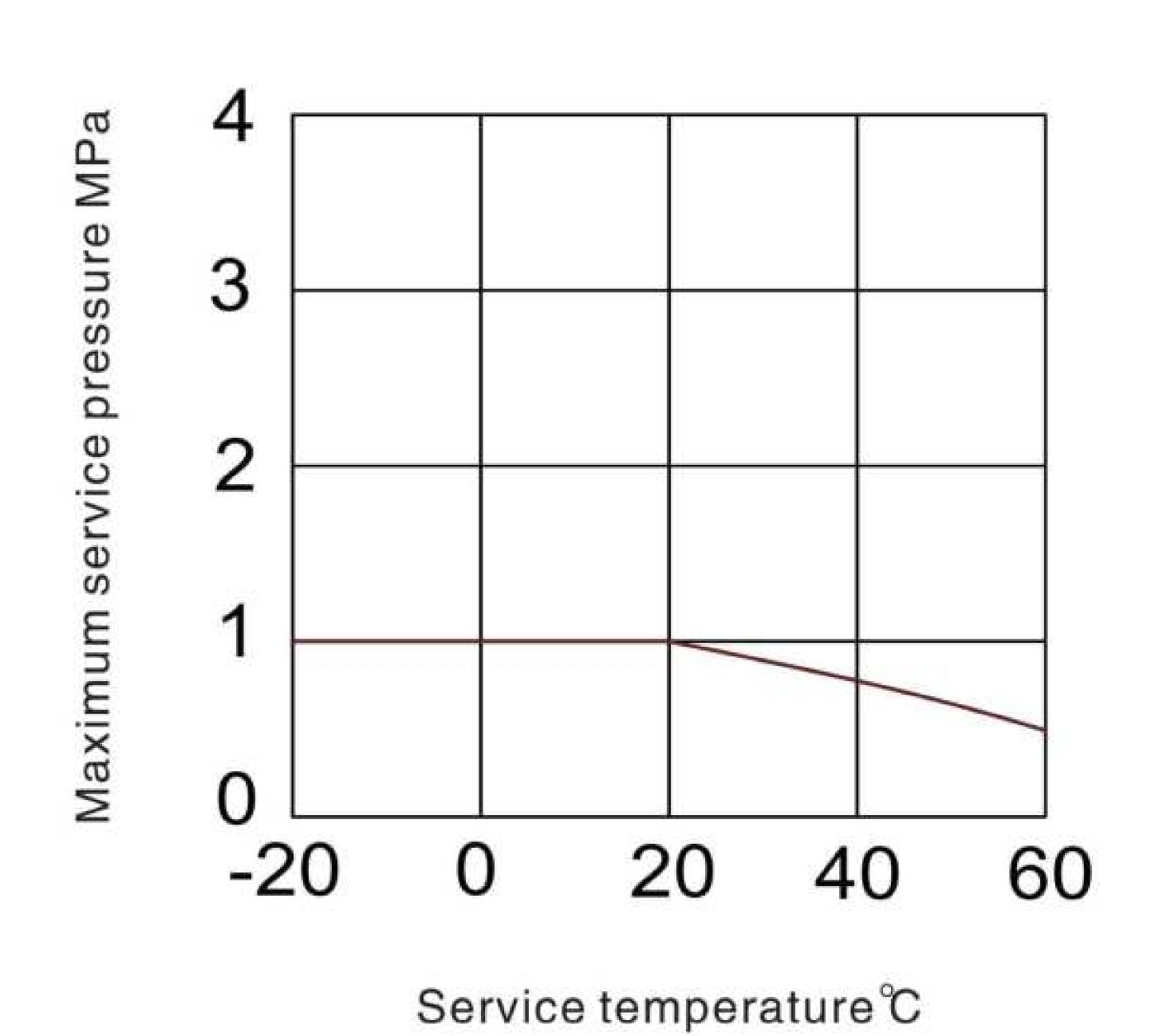


#### Product Features

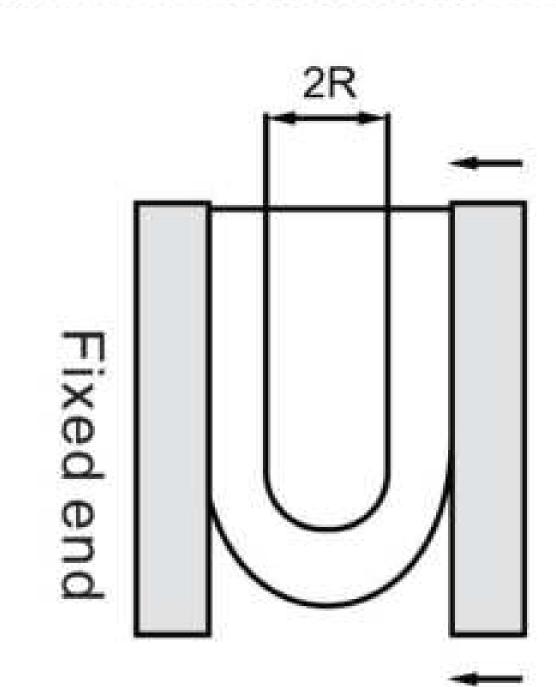
- Material: Polyurethane +PA11.
- Hardness: 95A+60D.
- Fluids: water, air, paint, solvents.
- Fluid temperature: −40°C −+70°C.
- Good corrosion resistance, high water temperature. resistance, good flexibility.
- Folding resistance, aging resistance, long service life.
- Suitable for automotive industry, conveying paints and coatings.

Model Number	PUA060X040	PUA080X050	PUA090X060	PUA100X065	PUA110X080	PUA120X080	PUA160X110					
Use fluid		Air, water, paint, solvent										
Maximum working pressure (at 20℃)		1.0MPa										
Maximum service pressure			Refer to gra	aph of maximum	operating pressi	ure						
Minimum bending radius	20mm	20mm 30mm 35mm 40mm 45mm 50mm 75mm										
Service temperature		-20°C~+60°C										

## Cyclic Pressure Characteristic Curve and Service Pressure



## Method for Determination of Minimum Bending Radius



Under the condition of 20 degrees Celsius, let the pipe bend into a U-shape, one end fixed, the other end slowly close, the pipe bending, flattening, etc. 2R measured.

Note: This product is mainly painted, solvent, use other media, please contact the company.



## PUU

## High Temperature&Pressure Polyester Tube



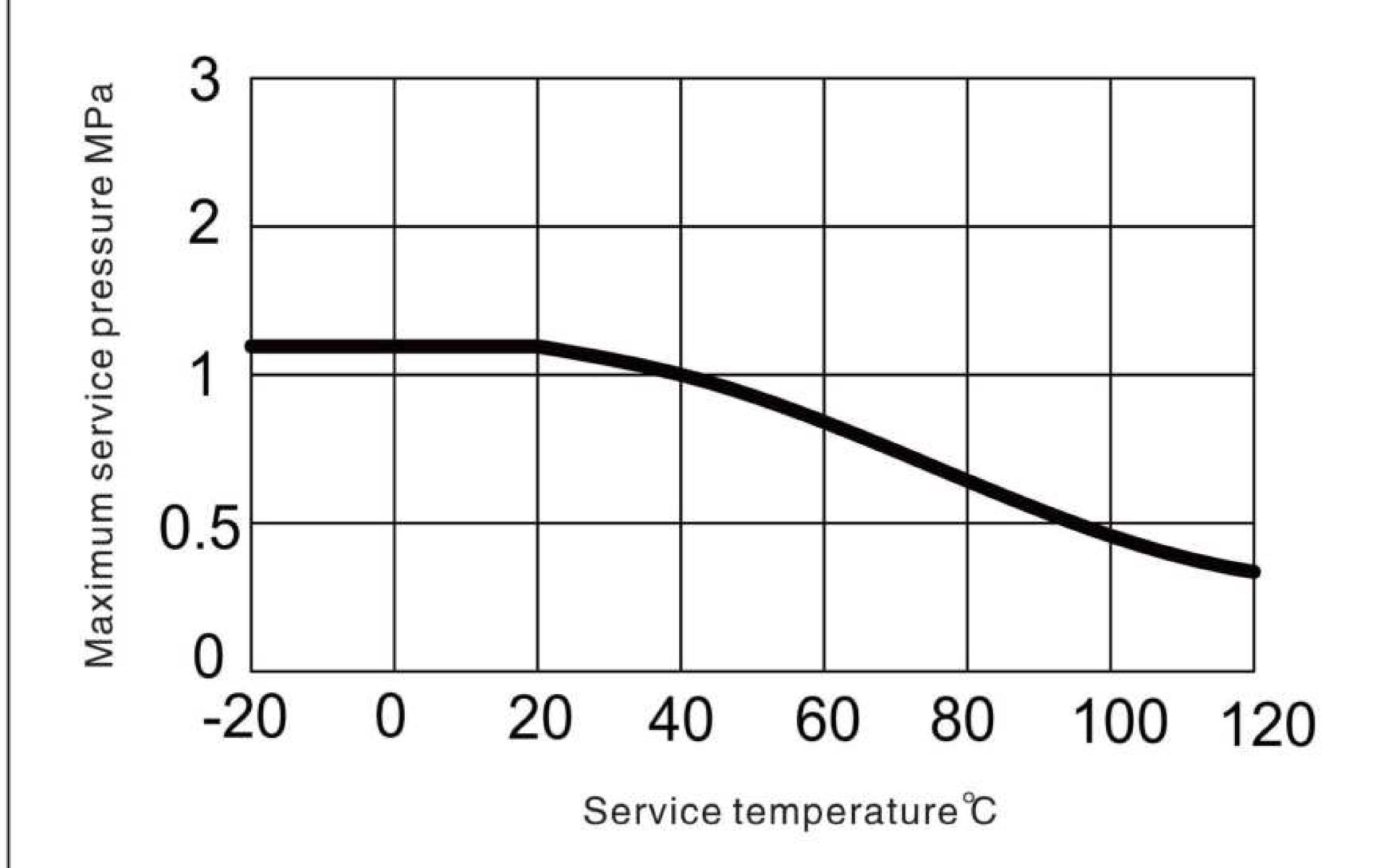
#### O Product Features

- Material: Special polyester
- Hardness: 40D-70D
- Fluid: air, water
- Fluid temperature: −40° C to +120° C
- With rubber elasticity, low temperature flexibility
- Maintain good performance when the temperature rises
- Resistance to creep, impact and fatigue
- High tear strength and friction resistance
- Good resistance to chemicals, oils, solvents and weather

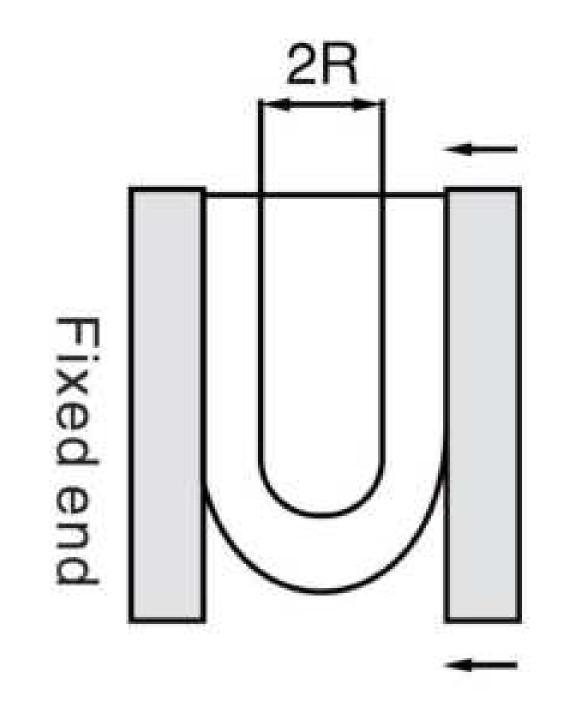
## Specifications

Model Number	PUU040X025	PUU060X040	PUU080X050	PUU100X065	PUU120X080	PUU160X120					
Use fluid		Air and water									
Maximum working pressure (at 20℃)		1.2MPa									
Maximum service pressure			Refer to graph of ma	aximum operating p	ressure						
Minimum bending radius	10mm 15mm 20mm 30mm 35mm 65mm										
Service temperature	-40°C~+120°C										

#### Cyclic Pressure Characteristic Curve and Service Pressure



#### Method for Determination of Minimum Bending Radius



Under the condition of temperature 20℃, let the pipe bend into a U-shape, one end is fixed, the other end slowly close, the pipe bending, flattening, etc.

Note: 1、This product mainly used gas, water, use other media please contact the company.

2、The minimum bending radius is in the temperature of 20℃, the measurement of bending value.



## PY

## Corrosion-Resistant Hose (Vinyl Synthetic Resin)



#### Product Features

- Material: vinyl synthetic resin
- Hardness: 98A
- Fluid: air, electrolyte
- Fluid temperature: −20°C~50°C
- Good flexibility, corrosion resistance and tortuous resistance.
- Suitable for the lithium industry, such as liquid injection machine, chemical components and other equipment.

## Specifications

Model Number	PY040X025	PY060X040	PY120X080	PY160X120						
Use fluid	Air, electrolyte									
Maximum working pressure (at 20℃)	0.6MPa									
Minimum bending radius		−20°C~+50°C								
Service temperature	10mm	15mm 20mm 30mm 35mm 6								

## PUS/PES Tube

## O How to Order?

Series code	O.D.	X I.D	- Length	- Color code	End length	Fitting type
PUS: PU spring tube PES: PE spring tube	040: 4.0mm 050: 5.0mm 060: 6.0mm 080: 8.0mm	중요 기업 등 등 하는 이 이 아이를 하는 것 같아. 하는 것 같아 하는 것 같아 하는 것 같아 하는 것 같아.	060M: 6m 075M: 7.5m 090M: 9m 120M: 12m 150M: 15m		A: One end is 30cm, the other end is 10cm B: Both end be 10cm C: Both end be 0cm	1: Without fitting 2: With female-male fitting 3: With male-male fitting
	140: 14.0mm 160: 16.0mm					

#### Order example:

Φ4ΧΦ2.5 PU Spring tube, 6M, Black color, both end with 10cm, no end fitting, ERP code is: PUS040X025-060M-B-B-1

Note: Please check with E.MC for color available and MOQ.



# TSB Flame Resistant Tubing



## TSB

## Flame Resistant Tubing



## O How to Order?

Series	O.D.	Х	I.D.	Le	ngth	 Color
TSB: Flame resistant tubing	060: 6.0mm 080: 8.0mm 100: 10.0mm 120: 12.0mm 140: 14.0mm		040: 4.0mm 050: 5.0mm 065: 6.5mm 080: 8.0mm 100: 10.0mm	100M	: 100m/Roll	BU: Blue B: Black R: Red

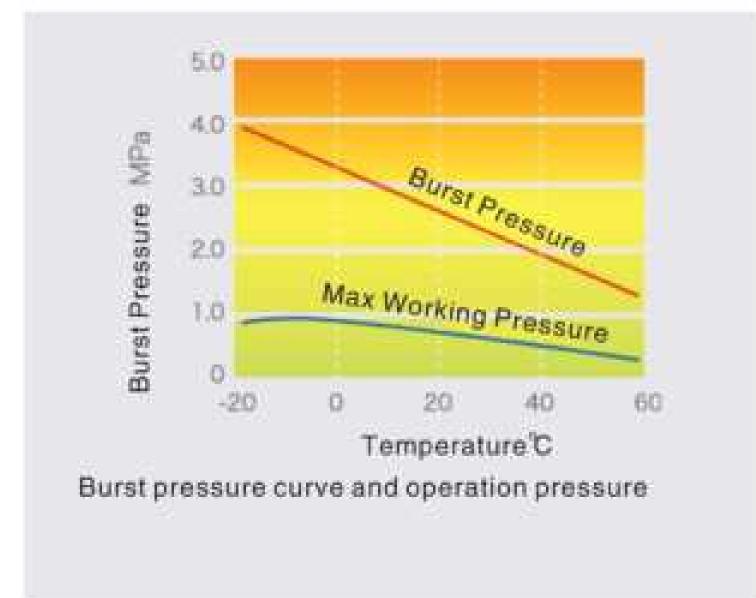
## Flame Resistant Tube

Item No.	Tube O.D.(mm)	Tube I.D.(mm)	Outer layer thickness (mm)	Min bending radius(mm)
TSB060X040	6	4	1	15
TSB080X050	8	5	1	28
TSB100X065	10	6.5	1	35
TSB120X080	12	8	1	45
TSB140X100	14	10	2	55



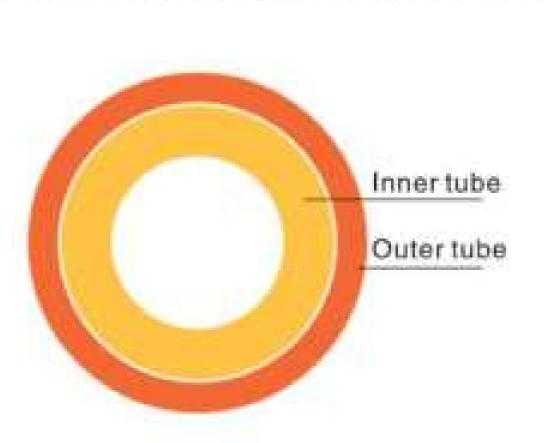
## Performance

Fluid		Air; Water	
Max operating pressure (20°C)		1.0MPa	
Operation temperature		20 to +60° C, Water: 0 to +40° C (Not freezing)	
Matarial	Inner layer	Polyurethane	
Material	Outer layer	Flame resistant polyolefin resin(Same as UL94 standard V0)	



#### Product Feature

- PU anti-spatter tube, inner tube is made of polyurethane and outer coated by flame resistant resin (equal to UL 94 V0),
   which is flame resistant, anti-spark and anti-spatter.
- While you need use this tube to fit the quick connector, please confirm the length you need, pill of the outer coating, stick the inner tube to the connector.
- · Application: Auto welding fixture, welding robot, and other welding machine.



BK-TSB Series tube section view