



PNEUMATIC PRODUCTS

CATALOG #1.1

INSIGHT SQUARE (PVT) LTD.



特点 / Features

- 可塑性聚氨酯材质，符合ROHS环保要求
- 高弹性：小的弯曲半径使PU管能通过紧密空间
- 防打结：比其他塑料管有较好的防打结效果
- 优异的回塑性：可承受重复的伸缩
- 防磨损：使用期限长，适用于易磨损的环境
- 气体的渗透性低：减低了渗漏和污染的问题
- 抗溶解性佳：没有溶剂会漏出因此不会污染环境
- 压缩性低：维持优良的物理性能
- 广泛的抵抗力：对化学物、水、燃料、油和菌有一定抵抗力
- Flexible polyurethane material, which is reached the ROHS environmental protection requirements
- High elasticity, the PU tube can through a tight space when the tube with a small bending
- The knot: knot effects are better than other plastic pipes
- Excellent plastic back: withstand repeated expansion
- Breakage-proof: long life span, which is applicable to the easy wear and tear environment
- Low permeability of gas: decrease the permeability and pollution
- Good resistance to dissolve: no solvent will be leaked out, the environment pollution won't be happened
- Low compressibility: maintaining good physical properties
- A wide range of resistance: chemicals, water, fuel, oil and bacteria with a certain resistance

技术参数 / Specifications

材料/Material	PU
使用流体/Fluid	空气/Air
爆破压力范围/Burst pressure	见表格
工作压力范围/Operating Pressure	见表格
使用温度范围/Operating Temperature	-20~60°C

订购号 / Order

PU - 8 X 5 - 100 □

④ 颜色/Color

代号/Code	TR	BK	BU	OR
颜色/Color	透明/Transparent	黑色/Black	蓝色/Blue	橙色/Orange

代号/Code	TRBU	TRGN
颜色/Color	透明蓝/Transparent blue	透明绿/Transparent green

代号/Code	TRRD	DKBU	LTBU
颜色/Color	透明红/Transparent red	深蓝/Dark blue	浅蓝/Light blue

代号/Code	YL	GN	RD	SV	WH
颜色/Color	黄色/Yellow	绿色/Green	红色/Red	银色/Silver	白色/White

③ 长度/Length

100m/卷 (Roll); 弹簧管长度 / Coil Tube Length: 3, 6, 7.5, 9, 12, 15

② 管径 / Tube Diameter

代号/Code	外径/O.D	内径/I.D
8x5	Φ8	Φ5

① 气管代号/Tube Code

代号/Code	PU	UC	PA	AC
气管/Tube	PU管/Polyurethane Tube	PU弹簧管/Polyurethane Coil Tube	尼龙管/Nylon Tube	PA弹簧管/Nylon Coil Tube

规格	外径 (mm)	内径 (mm)	工作压力 (23°C, bar)	爆破压力 (23°C, bar)	弯曲半径 (mm)	每卷长度 (m)
Code	O. D	I. D	Operating Pressure	Burst Pressure	Bend Radius	Length
2x1	Φ2	Φ1	8	44	4	200
3x2	Φ3	Φ2	7.5	30	6	200
4x2	Φ4	Φ2	8	44	8	200
4x2.5	Φ4	Φ2.5	8	35	10	200
5x3	Φ5	Φ3	8	35	15	200
6x4	Φ6	Φ4	7.5	30	15	200
8x5	Φ8	Φ5	8	35	20	100
8x5.5	Φ8	Φ5.5	6	24	20	100
8x6	Φ8	Φ6	4	16	25	100
10x6.5	Φ10	Φ6.5	8	32	25	100
10x7.5	Φ10	Φ7.5	4	16	35	100
12x8	Φ12	Φ8	7.5	30	35	100
12x9.5	Φ12	Φ9.5	4	16	50	100
14x10	Φ14	Φ10	6	24	60	50
16x11	Φ16	Φ11	8	35	70	50
16x12	Φ16	Φ12	7.5	30	80	50

备注：UC弹簧管长度、颜色可以定做。
Note: We can do other length and color for UC tube.



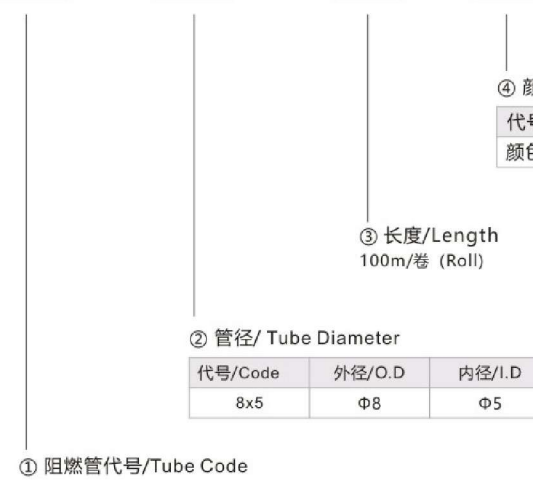
特点 / Features

- 具有良好的柔软性，弯曲半径小，能通过紧密空间
- 良好的耐磨性和耐老化性，使用寿命长
- 具有更好的耐温性和耐压性
- 外层包覆阻燃合成料，能有效阻止焊渣、火花对气管的损害
- 阻燃等级为V0 (UL94)
- Good flexibility, small bending radius, and it can pass through tight spaces
- Good wear resistance and aging resistance, long service life
- Better temperature and pressure resistance
- The outer layer is coated with flame retardant synthetic material, which can effectively prevent welding slag and sparks from damaging the tube
- Flame retardant grade V0 (UL94)



订购号 / Order

FPU 8 X 5 - 100 - □



④ 颜色/Color

代号/Code	BK	BU	YL	RD	WH
颜色/Color	黑色/Black	蓝色/Blue	黄色/Yellow	红色/Red	白色/White

③ 长度/Length
100m/卷 (Roll)

② 管径/ Tube Diameter

代号/Code	外径/O.D	内径/I.D
8x5	Φ8	Φ5

① 阻燃管代号/Tube Code

技术参数 / Specifications

材料 / Material	聚氨酯(内层)+阻燃合成料(外层) Polyurethane (inner layer)+flame retardant synthetic material (outer layer)
使用流体 / Fluid	空气 / Air
爆破压力范围 / Burst pressure	见下表Under the table
工作压力范围 / Operating Pressure	见下表Under the table
使用温度范围 / Operating Temperature	-20~60 °C

技术指标 / Technical Indicators

规格 Code	内管尺寸 / Inner tube size		阻燃层 / Flame retardant layer 壁厚 (mm) Thickness	工作压力 (20°C,bar) Operating Pressure	爆破压力 (20°C,bar) Burst Pressure	最小弯曲半径 (mm) The radius of curvature	每圈长度 (m) Length
	外径 (mm) O.D	内径 (mm) I.D					
6×4	Φ6	Φ4	1	10	30	15	100
8×5	Φ8	Φ5	1	10	30	25	100
10×6.5	Φ10	Φ6.5	1	10	30	35	100
12×8	Φ12	Φ8	1	10	30	45	50/100



特点 / Features

- 机械强度高，韧性好，有较高的抗拉、抗压强度
- 耐疲劳性能突出，制件经多次反复屈折仍能保持原有机械强度
- 软化点高，耐热
- 表面光滑，摩擦系数小，耐磨
- 耐腐蚀，十分耐碱，还耐弱酸、机油、汽油
- 有自熄性，无毒，无臭，耐候性好，有良好的抗菌、抗霉能力
- 有优良的电气性能，电绝缘性好

- High mechanical strength, good toughness, high tensile and compressive strength
- Outstanding fatigue resistance, keeping the original mechanical strength by the inflectional repeatedly
- High point of softening and heat resistant
- Smooth surface, small friction coefficient, wear resistance
- With corrosion resistance, alkali resistance and also resistant to weak acid, oil and gasoline
- With self-extinguishing, non-toxic, odour less, good weather ability, good antibacterial and mildew resistance
- Excellent electrical performance and good electrical insulation

技术参数 / Specifications

材料/Material	PA6、PA12
使用流体/Fluid	空气、水 / Air, Water
爆破压力范围/Burst pressure	见表格
工作压力范围/Operating Pressure	见表格
使用温度范围/Operating Temperature	-15~60°C

规格 Code	外径 (mm) O. D	内径 (mm) I. D	工作压力 (20°C ,bar) Operating Pressure	爆破压力 (20°C ,bar) Burst Pressure	最小弯曲半径 (mm) The radius of curvature	每圈长度 (m) Length
4×2.5	Φ4	Φ2.5	15	72	15	200
6×4	Φ6	Φ4	18	90	23	200
8×6	Φ8	Φ6	15	72	36	100
10×8	Φ10	Φ8	12	60	45	100
12×9	Φ12	Φ9	15	72	54	100

NOTE: 尼龙管只有白黑黄蓝四种颜色可订购
Nylon tubes are available in white,black,yellow and blue only