

Fittings,
Air Hose

Quick
Fittings

Mini Quick
Fittings

Rotary
Joint

Stop
Fittings

Check
Valves

Speed
Controllers

Hand
Valves

Ball
Valves

Air Control
Valves

Push-IN
Fittings

316L
Fittings

KIS-A
(ISO A)

KIS-B
(ISO B)

KIS-O

KIS-PP

KZD

KZF

ST

TSP

310
(ISO-B6)

430
(ISO-B8)

550
(ISO-B12)

20 (Super
Mini Type)

21
(Mini Type)

320
(EURO 7.6)

410
(EURO 10.5)

210
(ARO210)

19
(ASIA)

200
(ASIA)

Pipe
Fittings

Brass Ball
Valves

US98A,
UE95A

UCS

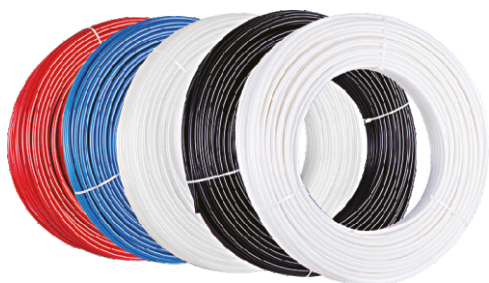
PA12,
PA6

UN54D

Air Gun

Tracheal
Scissors

Silencers



Product feature

1. PA12, PA6 Nylon tube has excellence capability to be used high temperature conditions widely.
2. Many kinds of colors to be choosed.
3. Steady size, Little osmotic rate.
4. Be used widely for it's aging resistant, good anti-oil, and high temperature resistant capability.

Ordering code

PA12

Model	
PA6	Nylon 6
PA12	Nylon 12

060

Tube OD	
040	Φ4.0mm
060	Φ6.0mm
080	Φ8.0mm
100	Φ10.0mm
120	Φ12.0mm

040

Tube ID	
025	Φ2.5mm
040	Φ4.0mm
060	Φ6.0mm
075	Φ7.5mm
090	Φ9.0mm

100M

Material length	
100M	100 m/coil(Others)
200M	200 m/coil(4x2.5)

BU

Standard color	
BU	Blue
BK	Black
GE	Orange
N	Clear
WH	White
GN	Green
R	Red
Y	Yellow

Specification (Standard pressure type)

Type (Note 1)	Tube OD (mm)	Tube ID (mm)	Wall thickness (mm)	Package length (m)	Working pressure at 23°C (MPa) (Note 2)	Burst pressure at 23°C (MPa)	Bend radius (mm)	Weight per 100M (kg)	Temperature (°C)
PA6040025□□	4.0	2.5	0.75	200	3.5	11.0	30	0.90	-10~70
PA6060040□□	6.0	4.0	1.00	100	3.0	10.0	45	1.80	-10~70
PA6080060□□	8.0	6.0	1.00	100	2.0	7.0	65	2.50	-10~70
PA6100075□□	10.0	7.5	1.25	100	2.0	7.0	75	3.90	-10~70
PA6120090□□	12.0	9.0	1.50	100	2.0	7.0	100	5.70	-10~70
PA12040025□□	4.0	2.5	0.75	200	2.5	7.5	25	0.80	-40~70
PA12060040□□	6.0	4.0	1.00	100	2.0	7.0	35	1.60	-40~70
PA12080060□□	8.0	6.0	1.00	100	1.5	5.0	55	2.30	-40~70
PA12100075□□	10.0	7.5	1.25	100	1.5	5.0	75	3.50	-40~70
PA12120090□□	12.0	9.0	1.50	100	1.5	5.0	75	5.10	-40~70

Note 1: The first square of "□□" in the type column is for ordering code "unit" and the second is for "color".

2: Working pressure: 3 to 1 safety factor.

Specification (Lower pressure type)

Type (Note 1)	PA6 the percentage of work pressure reached at different temperatures					PA12 the percentage of work pressure reached at different temperatures				
Temperature	20°C	40°C	60°C	80°C	100°C	20°C	30°C	50°C	60°C	80°C
Percentage	100%	74%	57%	47%	40%	100%	83%	75%	64%	47%



Product feature

1. Monolayer tube with flame resistant.
2. Excel in elasticity: can pass compactness space with lesser bend radius.
3. Excellent water-resistant and flexibility.
4. Super doughy wearable and higher intensity of stretch.

Ordering code

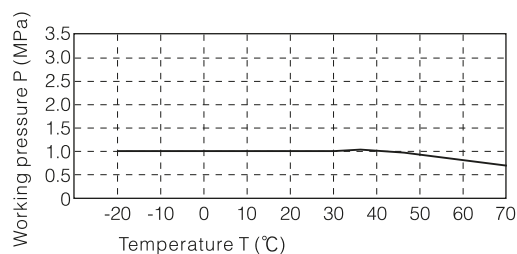
UN54D		120		080		100M		Y	
Model		Tube OD		Tube ID		Material length		Standard color	
UN54D	Flame resistant tube 54D ±3	060	Φ6.0mm	040	Φ4.0mm	100M	100 m/coil	BU	Blue
		080	Φ8.0mm	050	Φ5.0mm			BK	Black
		100	Φ10.0mm	065	Φ6.5mm			GN	Green
		120	Φ12.0mm	080	Φ8.0mm			WH	White
								R	Red
								Y	Yellow

Specification

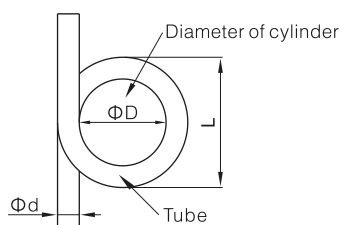
Type (Note)	Tube OD (mm)	Tube ID (mm)	Wall thickness (mm)	Package length (m)	Working pressure at 23°C (MPa)	Burst pressure at 23°C (MPa)	Bend radius (mm)	Weight per 100M (kg)	Temperature (°C)
UN54D□060040□□	6.0	4.0	1.00	100	1.0	4.0	12	1.93	-20~70
UN54D□080050□□	8.0	5.0	1.50	100	1.0	4.0	18	3.66	-20~70
UN54D□100065□□	10.0	6.5	1.75	100	1.0	4.0	20	5.44	-20~70
UN54D□120080□□	12.0	8.0	2.00	100	1.0	4.0	20	7.56	-20~70

Note: "□□" in the type column is for "color".

Relationship of operation pressure and temperature



Mini bend radius



The least bend radius (JIS method)

JIS method (Base on JIS B8381 standard)

When the tube circle the cylinder tightly and the distortion rate is 25%, the cylinder radius is the least bend radius.

Testing condition: 20°C, 65% RH

$N = \{1 - (L - D) / 2d\} \times 100$

N=Distortion rate (%), less than 25% of standard value.

d=Tube diameter (mm)

L=Measure value (mm)

D=Diameter of cylinder (mm)

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