

Polyurethane tubing

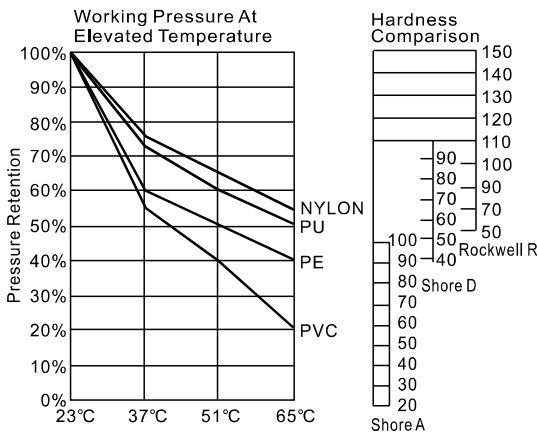
UCS Series



Product feature

1. Plastic polyurethane material conforms to the ROHS environment protection requirement.
2. High elasticity: small bend radius enables PU tubing to pass through the tight space.
3. Anti-knot: better anti-knot effect than other plastic tubing.
4. Excellent flexibility: it can bear repeated expansion.
5. Anti-abrasion: long working life and suitable for the environment in which it is easy to be worn.
6. Low permeability of gas: relieve the problems of leakage and pollution.
7. Good anti-solubility: no solvent leaks, therefore it will not pollute the environment.
8. Low compression: maintain excellent physical character.
9. Wide resistance: it has certain resistance to chemicals, water, fuel, oil and bacterium.

Technical chart



Specification(Standard pressure type)

Type [Note1]	Tubing OD(mm)	Tubing ID(mm)	Working Pressure at 23°C(MPa)[Note2]	Burst pressure at 23°C(MPa)	Bend radius(mm)	Length(m) [Note3]	Temp. (°C)
UCS060040□030□□	6.0	4.0	1.0	3.0	38	3	-20~70
UCS060040□060□□	6.0	4.0	1.0	3.0	38	6	
UCS060040□090□□	6.0	4.0	1.0	3.0	38	9	
UCS060040□120□□	6.0	4.0	1.0	3.0	38	12	
UCS060040□150□□	6.0	4.0	1.0	3.0	38	15	
UCS080050□060□□	8.0	5.0	1.0	3.0	38	6	
UCS080050□090□□	8.0	5.0	1.0	3.0	38	9	
UCS080050□120□□	8.0	5.0	1.0	3.0	38	12	
UCS080050□150□□	8.0	5.0	1.0	3.0	38	15	
UCS100065□060□□	10.0	6.5	1.0	3.0	50	6	
UCS100065□090□□	10.0	6.5	1.0	3.0	50	9	
UCS100065□120□□	10.0	6.5	1.0	3.0	50	12	
UCS100065□150□□	10.0	6.5	1.0	3.0	50	15	
UCS120080□060□□	12.0	8.0	1.0	3.0	60	6	
UCS120080□090□□	12.0	8.0	1.0	3.0	60	9	
UCS120080□120□□	12.0	8.0	1.0	3.0	60	12	
UCS120080□150□□	12.0	8.0	1.0	3.0	60	15	

Specification(Lower pressure type)

Type [Note1]	Tubing OD(mm)	Tubing ID(mm)	Working Pressure at 23°C(MPa)[Note2]	Burst pressure at 23°C(MPa)	Bend radius(mm)	Length(m) [Note3]	Temp. (°C)
UCS080055□060□□	8.0	5.5	0.8	2.0	38	6	-20~70
UCS080055□090□□	8.0	5.5	0.8	2.0	38	9	
UCS080055□120□□	8.0	5.5	0.8	2.0	38	12	
UCS080055□150□□	8.0	5.5	0.8	2.0	38	15	

[Note1] "□" in the type column is for "color", and "□□" is for "coupling type" and "coupling mode".

[Note2] Working pressure: 3 to 1 safety factor.

[Note3] Material length: length of operating status=(0.8~0.9)xMaterial length.

Ordering code

UCS 080 050 BU 090M A 1



① Model	② Tubing OD	③ Tubing ID	④ Standard color [Note1]	⑤ Material length	⑥ Coupling type	⑦ Coupling form
UCS: Ester Base	060 : Φ6.0mm	040 : Φ4.0mm	BU: Blue	030M : 3m	A: one end is 30cm and the other end is 10cm	1: Without coupling
	080 : Φ8.0mm	050 : Φ5.0mm	BK: Black	060M : 6m	B: Both of the tubings of the couplings are 10cm	
	100 : Φ10.0mm	055 : Φ5.5mm	GN: Green	090M : 9m	C: Both of the tubings of the couplings are 0cm	
	120 : Φ12.0mm	065 : Φ6.5mm	GE: Orange	120M : 12m		3: With male-male coupling
		080 : Φ8.0mm	CR: Clear Red	150M : 15m		
			WH: White			
			CG: Clear Green			
			CB: Clear Blue			
			R: Red			
			Y: Yellow			
			CE: Clear Orange			

[Note1] Lower pressure type has nine standard colors: Blue\ Black\ Orange\ Clear\ White\ Clear Blue\ Red\ Yellow\ Gray.

Pipe end coupling

Name	Male quick coupling	Female quick coupling	Male quick coupling	Female quick coupling	Male quick coupling	Female quick coupling	Male quick coupling	Female quick coupling
Ordering code	GX-400-10PP	GX-230-10SP	GX-400-20PP	GX-230-20SP	GX-400-30PP	GX-230-30SP	GX-400-40PP	GX-230-40SP
Photo								
Type	Φ6×Φ4 quick coupling		Φ8×Φ5 quick coupling		Φ10×Φ6.5 quick coupling		Φ12×Φ8 quick coupling	

