

# Polyurethane re-coil hosepart

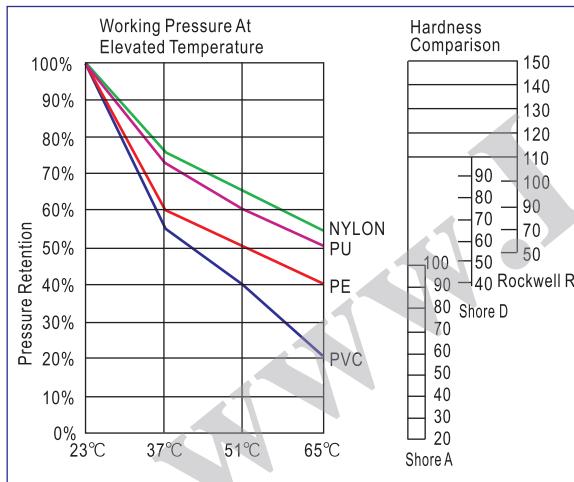
## UCS, UCE Series



### Product feature

1. Plastic polyurethane material conforms to the ROHS environment protection requirement.
2. High elasticity: small bend radius enables PU tube to pass through the tight space.
3. Anti-knot: better anti-knot effect than other plastic tube.
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

Number ①	Tube OD (mm)	Tube ID (mm)	Working Pressure at 23°C (bar) ②	Burst pressure at 23°C (bar)	Bend radius (mm)	Material Length (kg)	Temperature (°C)
UCS080050□060□□	8.0	5.0	8.0	35	38	6	-20~70
UCS080050□090□□	8.0	5.0	8.0	35	38	9	
UCS080050□120□□	8.0	5.0	8.0	35	38	12	
UCS080050□150□□	8.0	5.0	8.0	35	38	15	
UCS080055□060□□	8.0	5.5	6.0	24	38	6	
UCS080055□090□□	8.0	5.5	6.0	24	38	9	
UCS080055□120□□	8.0	5.5	6.0	24	38	12	
UCS080055□150□□	8.0	5.5	6.0	24	38	15	
UCS100065□060□□	10.0	6.5	8.0	32	50	6	
UCS100065□090□□	10.0	6.5	8.0	32	50	9	
UCS100065□120□□	10.0	6.5	8.0	32	50	12	
UCS100065□150□□	10.0	6.5	8.0	32	50	15	
UCS120080□060□□	12.0	8.0	7.5	30	60	6	
UCS120080□090□□	12.0	8.0	7.5	30	60	9	
UCS120080□120□□	12.0	8.0	7.5	30	60	12	
UCS120080□150□□	12.0	8.0	7.5	30	60	15	

Note:

- ①: "□" in the type column is for "color", and "□□" is for "coupling type" and "coupling mode". Blue, black, orange and clear are standard colors. Individual orders shall be placed for other colors.
- ②: Working pressure: 3 to 1 safety factor.
- ③: Material length: length of operating status=(0.8~0.9)xMaterial length.

### Ordering code

UCS 080 050 BU 090M A 1

#### Model

UCS: Ester Base  
UCE: Ether Base

#### Tube OD

080: Φ 8.0mm  
100: Φ 10.0mm  
120: Φ 12.0mm

#### Tube ID

050: Φ 5.0mm  
055: Φ 5.5mm  
065: Φ 6.5mm  
080: Φ 8.0mm

#### Standard color

BU: Blue  
BK: Black  
GE: Orange  
CR: Clear  
WH: White  
CB: Clear Blue  
R: Red  
Y: Yellow

#### Coupling form

- 1: Without coupling
- 2: With female-male coupling
- 3: With male-male coupling

#### Coupling type

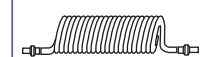
A: one end is 30cm and the other end is 10cm



B: Both of the tubes of the couplings are 10cm



C: Both of the tubes of the couplings are 0cm



#### Material length

060M: 6m  
090M: 9m  
120M: 12m  
150M: 15m

- ① Blue, black, orange and clear are standard colors. Individual orders shall be placed for other colors.

### Pipe end coupling

Male quick coupling PP40 Φ 12 × Φ 8	Female quick coupling SP40 Φ 12 × Φ 8	Male quick coupling PP30 Φ 10 × Φ 6.5	Female quick coupling SP30 Φ 10 × Φ 6.5	Male quick coupling PP20 Φ 8 × Φ 5	Female quick coupling SP20 Φ 8 × Φ 5
PP40/SP40-PU tube (12 × 8) quick coupling use		PP30/SP30-PU tube (10 × 6.5) quick coupling use		PP20/SP20-PU tube (8 × 5) quick coupling use	