

# Polyurethane re-coil hosepart

## US98A, UE95A 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.

### Specification(Standard pressure type)

| Type [Note1]  | Tube OD (mm) | Tube ID (mm) | Wall Thickness (mm) | Package Length(m) | Working Pressure at 23°C(MPa)[Note2] | Burst pressure at 23°C(MPa) | Bend radius (mm) | Weight per 100M(kg) | Temperature (°C) |
|---------------|--------------|--------------|---------------------|-------------------|--------------------------------------|-----------------------------|------------------|---------------------|------------------|
| US98A032020□□ | 3.2          | 2.0          | 0.60                | 100/200           | 1.0                                  | 3.0                         | 8                | 0.60                | -20~70           |
| US98A040025□□ | 4.0          | 2.5          | 0.75                | 100/200           | 1.0                                  | 3.0                         | 10               | 0.94                |                  |
| US98A060040□□ | 6.0          | 4.0          | 1.00                | 100/200           | 1.0                                  | 3.0                         | 15               | 1.93                |                  |
| US98A080050□□ | 8.0          | 5.0          | 1.50                | 100               | 1.0                                  | 3.0                         | 20               | 3.66                |                  |
| US98A100065□□ | 10.0         | 6.5          | 1.75                | 100               | 1.0                                  | 3.0                         | 25               | 5.44                |                  |
| US98A120080□□ | 12.0         | 8.0          | 2.00                | 100               | 1.0                                  | 3.0                         | 35               | 7.56                |                  |
| US98A160110□□ | 16.0         | 11.0         | 2.50                | 100               | 1.0                                  | 3.0                         | 80               | 10.03               |                  |
| UE95A032020□□ | 3.2          | 2.0          | 0.60                | 20/100/200        | 1.0                                  | 2.5                         | 8                | 0.60                | -40~70           |
| UE95A040025□□ | 4.0          | 2.5          | 0.75                | 20/100/200        | 1.0                                  | 2.5                         | 8                | 0.94                |                  |
| UE95A060040□□ | 6.0          | 4.0          | 1.00                | 20/100/200        | 1.0                                  | 2.5                         | 12               | 1.91                |                  |
| UE95A080050□□ | 8.0          | 5.0          | 1.50                | 20/100            | 1.0                                  | 2.5                         | 17               | 3.58                |                  |
| UE95A100065□□ | 10.0         | 6.5          | 1.75                | 20/100            | 1.0                                  | 2.5                         | 20               | 5.32                |                  |
| UE95A120080□□ | 12.0         | 8.0          | 2.00                | 20/100            | 1.0                                  | 2.5                         | 30               | 7.27                |                  |

[Note1] The first square of "□□" in the type column is for ordering code "unit" and the second is for "color".

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

### Specification(Lower pressure type)

| Type [Note1]  | Tube OD (mm) | Tube ID (mm) | Wall Thickness (mm) | Package Length(m) | Working Pressure at 23°C(MPa)[Note2] | Burst pressure at 23°C(MPa) | Bend radius (mm) | Weight per 100M(kg) | Temperature (°C) |
|---------------|--------------|--------------|---------------------|-------------------|--------------------------------------|-----------------------------|------------------|---------------------|------------------|
| US98A080055□□ | 8.0          | 5.5          | 1.25                | 100               | 0.8                                  | 2.0                         | 20               | 3.25                | -20~70           |
| US98A080060□□ | 8.0          | 6.0          | 1.00                | 100               | 0.4                                  | 1.5                         | 25               | 2.70                |                  |
| US98A100080□□ | 10.0         | 8.0          | 1.00                | 100               | 0.4                                  | 1.5                         | 40               | 3.47                |                  |
| US98A120100□□ | 12.0         | 10.0         | 1.00                | 100               | 0.4                                  | 1.5                         | 60               | 4.24                |                  |
| US98A160120□□ | 16.0         | 12.0         | 2.00                | 100               | 0.4                                  | 2.0                         | 80               | 8.32                |                  |
| UE95A080055□□ | 8.0          | 5.5          | 1.25                | 20/100            | 0.8                                  | 1.5                         | 17               | 3.18                | -40~70           |

[Note1] The first square of "□□" in the type column is for ordering code "unit" and the second is for "color".

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

### Ordering code

#### US98A 060 040 100M BU



| ① Model                        | ② Tube OD   | ③ Tube ID                                 | ④ Material length   | ⑤ Standard color [Note1]  |
|--------------------------------|---|---|---|---|
| US98A: Ester Base, Shore A98±2 | 032: Φ3.2mm<br>040: Φ4.0mm<br>060: Φ6.0mm                   | 020: Φ2.0mm<br>025: Φ2.5mm<br>040: Φ4.0mm | 065: Φ6.5mm<br>080: Φ8.0mm<br>0100: Φ10.0mm<br>0110: Φ11.0mm<br>0120: Φ12.0mm | BU: Blue<br>BK: Black<br>GE: Orange<br>C: Clear<br>WH: White<br>CB: Clear Blue<br>R: Red<br>Y: Yellow<br>GA: Gray<br>GN: Green<br>BR: Brown<br>CR: Clear Red<br>CG: Clear Green<br>CY: Clear Yellow<br>CE: Clear Orange |
|                                | 080: Φ8.0mm<br>100: Φ10.0mm<br>120: Φ12.0mm<br>160: Φ16.0mm | 050: Φ5.0mm<br>055: Φ5.5mm<br>060: Φ6.0mm | 100M: 100 m/coil<br>200M: 200 m/coil  |   |
| UE95A: Ether Base, Shore A95±2 | 032: Φ3.2mm<br>040: Φ4.0mm<br>060: Φ6.0mm                   | 020: Φ2.0mm<br>025: Φ2.5mm<br>040: Φ4.0mm | 055: Φ5.5mm<br>065: Φ6.5mm<br>080: Φ8.0mm                                     | BU: Blue<br>BK: Black<br>GE: Orange<br>C: Clear<br>WH: White<br>CB: Clear Blue<br>R: Red<br>Y: Yellow<br>GA: Gray<br>GN: Green<br>BR: Brown<br>CR: Clear Red<br>CG: Clear Green<br>CY: Clear Yellow<br>CE: Clear Orange |
|                                | 080: Φ8.0mm<br>100: Φ10.0mm<br>120: Φ12.0mm                 | 050: Φ5.0mm                               | 20M: 20 m/coil<br>100M: 100 m/coil<br>200M: 200 m/coil                        |   |

[Note1] Φ8xΦ6, Φ10xΦ8, Φ12xΦ10 type have nine standard colors: Blue\ Black\ Orange\ Clear\ White\ Clear Blue\ Red\ Yellow\ Gray.