

PTH

Polyurethane Pipe



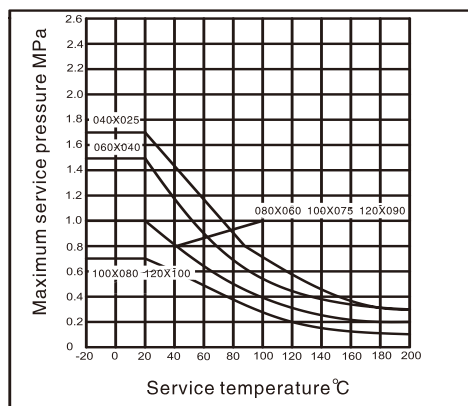
Product Features

- PTH tubing is transparent, high-performance tubing with excellent physical and chemical properties. PTH pipe basically retains the characteristics of PTL, such as excellent high temperature resistance and low mixing, chemical stability, high non-adhesion and mechanical strength.
- It is used in medical instruments, semiconductor devices, medical catheters, food machinery, chemical liquid conveying for thermal exchangers, liquid core fiber sheathing, 4G/5G communication low-pass sleeve, etc.
- Thermal stability, excellent and stable performance in the temperature range of -150°C – 200°C .
- UV protection.
- Excellent chemical resistance.
- Uniform wall thickness.

Specifications

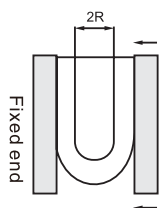
Model Number	PTH040X025	PTH060X040	PTH080X060	PTH100X075	PTH120X090
Use fluid	Air, water, oil, strong acids, strong alkalis				
Maximum working pressure (at 20°C)	Refer to graph of maximum operating pressure				
Maximum service pressure	Refer to graph of maximum operating pressure				
Minimum bending radius	20mm	35mm	60mm	95mm	100mm
Service temperature	-150°C ~ $+200^{\circ}\text{C}$				

Cyclic Pressure Characteristic Curve and Service Pressure



Note: Same outside diameter, different inside diameter, the maximum operating pressure will be different.

Method for Determination of Minimum Bending Radius



Under the condition of 20 degrees Celsius, let the pipe bend into a U-shape, one end fixed, the other end slowly close, the pipe bending, flattening, etc. $2R$ measured.

Note: This product is mainly painted, solvent, use other media, please contact the company.