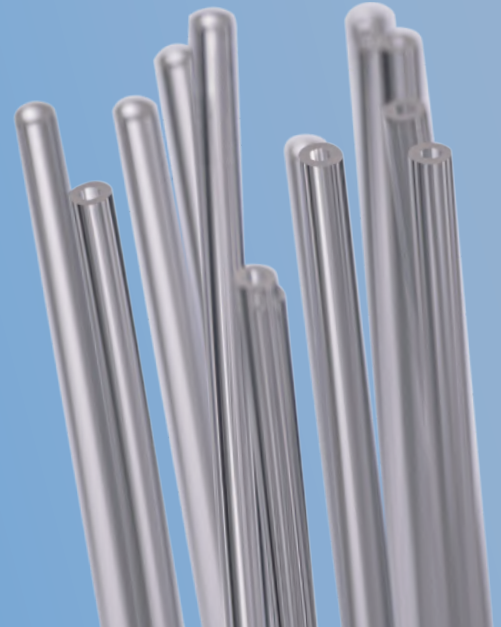


Low Hardness and Thin Wall Tubing

Low-hardness thin-walled single-lumen tubing refers to single-lumen tubes extruded from low-hardness polymer elastomers such as Pebax 25D and Pebax 35D, with a single-side wall thickness controlled below 0.08 mm (0.0031 inch). Compared with raw materials with higher hardness, it is more difficult to control the size of low-hardness thin-walled single-lumen tubes, which poses greater challenges to the extrusion process. AccuPath (PT&C) uses a more refined extrusion process to complete the processing of low-hardness thin-walled tubes.



Key Features

- Minimal Wall Thickness: As thin as 0.02 mm for select materials.
- Custom Extrusion: Available for ID 0.2 mm to 6 mm.
- Material Options: Including low hardness series: Pebax, Pellethane, PolyBlend, Carbothane, TPU NEUSoft, Tecothane TT.
- Quick Delivery: Custom orders ship within 2 weeks.

Applications

- Polymer soft segment of Microcatheter, and long-term implants of TPU tubing

Technical Data

	Unit	Typical Value
Material		PEBAX, TPU, POE
Inner diameter	mm (inch)	0.2 ~ 6 (0.0079 ~ 0.2362)
Wall thickness	mm (inch)	0.02 ~ 0.03 (0.0008 ~ 0.0012)
Tolerance	mm (inch)	± 0.03 (0.0012)

Quality Management

PT&C implements a strict ISO13485 quality management system and builds a standardized ISO Class 8 clean room to ensure that the products meet the biological requirements of medical devices. At the same time, advanced manufacturing equipment and precision measuring instruments, as well as strict inspection and testing methods, ensure that the quality of the products meets the requirements for the use of high-end medical devices.

Ordering Information

Our experts can guide you in material selection, tubing/filament specifications, and custom-cut lengths to fit your specific biodegradable tubing/filament requirements.