Optinova Etched PTFE Liner

Solutions for Medical Devices.

Etched PTFE liners are used as a lubricious inner layer in interventional delivery devices. Optinova offers highly customizable PTFE Liners that are designed to meet your needs.

Manufactured with robust processes, we produce etched PTFE Liners with ultra-thin walls and high batch-to-batch consistency.

Key advantages

- **Wide dimensional range:** Reliable liners covering a size range from neurovascular to structural heart (0.5-10 mm) to meet your needs while still delivering on tight tolerances.
- **Excellent mechanical properties:** such as tensile strength and elongation offer great pushability (stretching and pull forces) and tractability (smooth navigation) and are customizable depending on the design requirements.
- **Optimal bonding/lamination:** Adhesion strength is among the best available, ensuring that our PTFE liner has optimal lamination to outer layers during manufacturing and use. Closed loop control ensures consistent etch control and quality tubing.
- **Thin wall design:** Thin wall thickness and tight tolerances allow for low-profile catheter shafts and optimal lumen size.

We meet **your specifications** by customization of processes and materials with **superb** customer service.

Medical-grade certifications

ISO 9001 certified

ISO 13485 certified

ISO 14001 certified

Clean Room Class 7 & 8

Technical specifications

Inner diameter range:	0.5- 10 mm (0.02”- 0.39”)
Tolerance:	+/- 0.012 mm- 0.025 mm (0.0005”- 0.001”)
Wall thickness:	starting from 0.025 mm (0.001”)
Tolerance:	+/- 0.012 mm – 0.025 mm (+/- 0.0005”- +/- 0.001)
Length max:	3000 mm (118”)

For more technical information, please contact us at our sales offices or visit our website: ***optinova.com/contacts***

Applications

Etched PTFE liners are commonly used as the inner layer in reflow interventional and other minimally invasive delivery devices such as:

- Stent delivery system
- Steerable sheaths
- Micro catheters
- Ablation catheters
- Aspiration catheters

optinova
WHEN QUALITY MATTERS

We empower customers through highly reliable tubing solutions.

Properties

	PTFE
Working Temperature:	-250 to 260 ° C / -436 to 500 ° F
Chemical Resistance:	Excellent
Flammability:	UL 94 V0
Water Absorption:	>0,01%
Hardness:	D60
Sterilization:	EtO, Steam

Note: This table is only meant to serve as a reference, and the values are not necessarily typical for any specification. Users should evaluate the material to determine the suitability for their unique application.

About Us

Founded in 1971, Optinova is a world-leading extrusion partner for advanced medical and industrial tubing. With sales offices around the world and four extrusion plants in Finland, Thailand, and the US, we are serving partners from 50+ countries across industries.

Contact Us

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