

Junkosha Liner Tubing

Etched PTFE Liner

The superior lubricious properties of PTFE make it an excellent material choice for lining catheter lumens. Conventional dip-coated or film cast PTFE Liners are mechanically weak, exhibit low tensile strength, and are prone to inconsistencies. Junkosha's extruded PTFE Liners are robust, high in tensile strength, have superior consistency in elongation, and are available with ultra thin walls to meet critical catheter dimension requirements. Junkosha's PTFE Liners have an optimized etching treatment to enhance adhesion during reflow even in the most demanding tapered catheter designs.

Features

- High tensile strength and consistent elongation (stretch control) resulting in higher yield rates during lamination
- Higher tensile strength/more consistent stretching prevents inserted/delivered devices from becoming stuck inside of catheter shafts
- Improved abrasion and scratch/tear resistance compared to dip-coated or film cast PTFE Liners
- Custom sizes available with Inner Diameters from 0.012" up to 0.130" (0.30 mm – 3.3 mm) and Wall Thicknesses from 0.001" to 0.002" (25 µm to 50 µm)
- Meets USP Plastic Class VI standards

Liner Applications

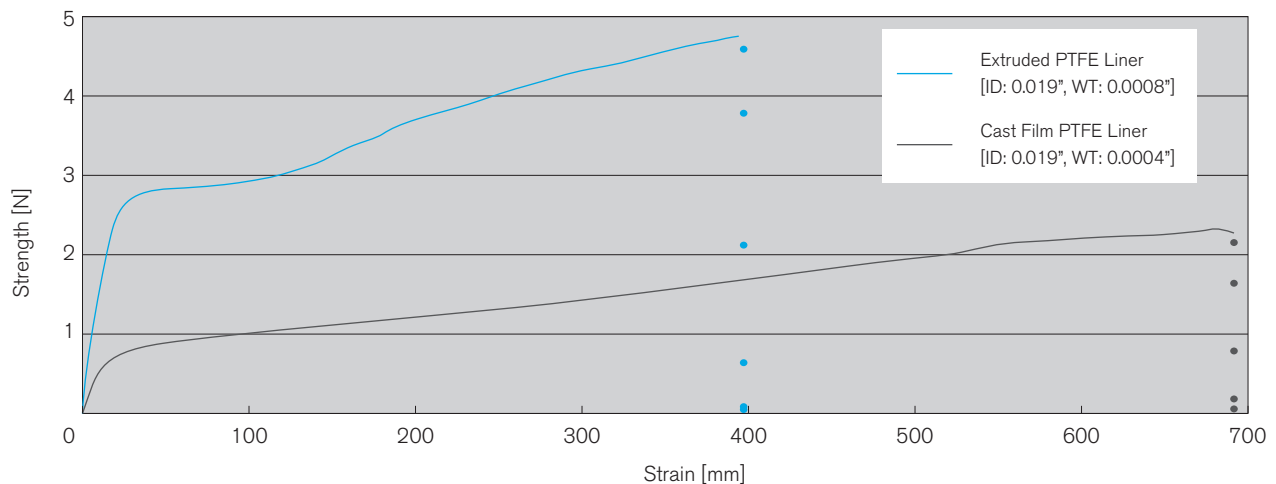
- Micro-catheter for embolization coil delivery
- Transcatheter delivery of stent grafts or heart valves
- Lumen for pull wire of steerable catheters
- PTCA guide catheters
- PFO sheaths

Properties

Material	PTFE
Inner Diameter	0.012" to 0.130", 0.30 mm to 3.3 mm
Wall Thickness	0.001" to 0.002", 25 to 50 µm
Length	39 to 78", 1000 mm to 2000 mm
Biocompatibility	USP class VI

Junkosha PTFE Liner Stress-Strain Curve Comparison Data

Junkosha PTFE Liner has less elongation and higher tensile strength compared to Cast Film PTFE Liner.



Request Etched PTFE Liner Samples

Request Stock Samples



- Shipped from inventory for quick delivery
- Limited quantity orders (5 pieces per order, limit 2 orders per request)
- Cost: Free of charge (No PO needed)

Part Number	Imperial			Metric		
	Inner Diameter	Wall Thickness	Length	Inner Diameter	Wall Thickness	Length
SAMPLE EPL0.020-0.001-65	0.020"	0.001"	65"	0.5 mm	25 µm	1650 mm
SAMPLE EPL0.040-0.001-65	0.040"	0.001"	65"	1.0 mm	25 µm	1650 mm
SAMPLE EPL0.050-0.001-65	0.050"	0.001"	65"	1.27 mm	25 µm	1650 mm
SAMPLE EPL0.077-0.0015-65	0.077"	0.0015"	65"	1.96 mm	38 µm	1650 mm
SAMPLE EPL0.130-0.0015-65	0.130"	0.0015"	65"	3.3 mm	38 µm	1650 mm

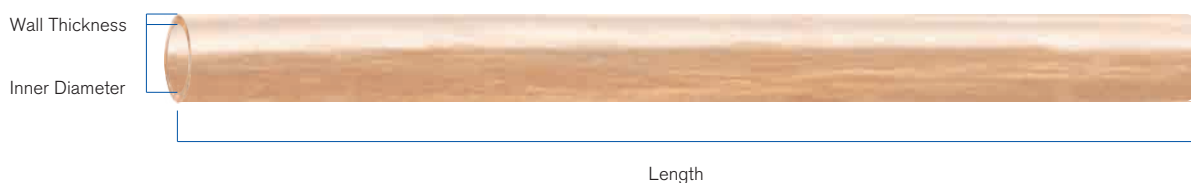
Request Made-to-order Samples



- Sample liners supplied to desired dimensions
- Samples made upon order for quick delivery (shipped within two weeks)
- Cost: US \$2,000 for 50 pieces (PO required)

Made-to-order Range

Inner Diameter	0.012" to 0.130", 0.30 mm to 3.3 mm
Wall Thickness	0.001" to 0.002", 25 to 50 µm
Length	39 to 78", 1000 mm to 2000 mm



Junkosha offers made-to-order etched PTFE liner samples which are made to specified dimensions and shipped within two weeks of placement of order. These samples are most valuable for use in catheter processing and evaluation. Please provide desired Inner Diameter, Wall Thickness and Length to initiate the order and to prompt a Junkosha sales associate to contact you. From product development through commercialization, Junkosha is committed to satisfying your catheter liner needs. Please reach out to us for all your technical and supply related questions.

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