

PTFE Sub-Lite-Wall™ Liners

Super-Thin-Walled Catheter Liners

Overview-

PTFE Sub-Lite-Wall™ liners are our family of super-thin-walled extruded catheter liners with nominal wall thicknesses ranging from 0.005" down to 0.001" (0.127 mm to 0.025 mm), and tolerances as low as ± 0.0005 " (0.0127 mm).

Since interventional medical devices were first designed using PTFE liners, Zeus PTFE Sub-Lite-Wall™ liners have been at the forefront of innovation. With industry-leading sizing, tight tolerances, and high-performance properties, Zeus PTFE Sub-Lite-Wall™ liners are an ideal choice for a wide variety of advanced vascular catheter designs spanning cardiovascular, peripheral, neurovascular, and other fields.

PTFE Sub-Lite-Wall™ liners are available in straight cut lengths up to 86" (2184.4 mm) and customizable to your specification. For enhanced jacket-to-liner bondability, PTFE Sub-Lite-Wall™ liners are also available with a Tie Layer upon request. Liners with a Tie Layer have a max cut length of 78" (1981.2 mm).



COEFFICIENT OF FRICTION



TENSILE STRENGTH



CONTINUOUS SERVICE TEMP



Super-thin-walled PTFE Sub-Lite-Wall™ liners.

APPLICATIONS

- Catheter liners and access sheaths used in:
 - Endovascular
 - Neurovascular
 - Peripheral
 - Structural Heart
 - CRM / EP

CAPABILITIES AND SIZING

- ID's 0.002" to 0.500" (0.051 mm to 12.7 mm)
- Nominal wall thicknesses from 0.001" to 0.005" (0.025 mm to 0.127 mm)
- Tolerances as low as ± 0.0005 " (0.0127 mm)
- Available in straight cut lengths
- Tie Layer available upon request

KEY PROPERTIES

- Class VI approved resins available
- Highly lubricious
- High tensile strength
- Working temperature up to 500 °F (260 °C)
- Excellent dielectric insulating properties
- Chemical resistance
- ETO and autoclave sterilizable



PTFE Sub-Lite-Wall™ Liners

All PTFE Sub-Lite-Wall™ liners are produced based on customer specifications and the chart below is a general capability guide. All material can be etched on the OD to enhance adhesion. For even greater adhesion, a tie layer coating can also be applied.

PTFE Sub-Lite-Wall™ Liner	
Process	Free-Extruded
Material	PTFE
Inside Diameter (ID)	0.002" to 0.500" 0.051 mm to 12.70 mm
ID Tolerance +/-	0.0005" to 0.003" 0.0127 mm to 0.0762 mm
Nominal Wall Thickness	0.001" to 0.005" 0.0254 mm to 0.127 mm
Wall Tolerance +/-	0.0005" to 0.001" 0.0127 mm to 0.0254 mm
Cut Length	86" Max 2184.4 mm
Surface Treatments	Etched, Tie Layer
Sterilization Methods	Autoclave, EtO

