

PET Sub-Lite-Wall™ Heat Shrink

Super-Thin-Walled PET Heat Shrink Tubing

Overview-

Zeus Sub-Lite-Wall™ heat shrink is our family of super-thin-walled heat shrink with wall thicknesses of 0.005" (0.127 mm) and below. This specialty heat shrink is engineered for applications that require thin walls and shrink-to-fit encapsulation and protection.

Combining super-thin walls with high tensile strength and excellent dielectric properties, PET Sub-Lite-Wall™ heat shrink delivers versatile performance across a broad range of applications, including braid termination, shaft reinforcement, and component insulation. With consistent shrink behavior and dependable dimensional control, Zeus PET Sub-Lite-Wall™ supports tight-tolerance assemblies without adding unnecessary bulk.

Zeus PET Sub-Lite-Wall™ heat shrink is customizable and can be produced with nominal wall thicknesses as low as 0.00025" (0.00635 mm), depending on ID, and with wall tolerances as low as ± 0.0001 " (± 0.0025 mm). Expanded inside diameters range from 0.018" - 0.390" (0.457 mm - 9.906 mm). Contact your Zeus representative today to learn how we can tailor PET Sub-Lite-Wall™ heat shrink to your specific application requirements.



DIELECTRIC STRENGTH



TENSILE STRENGTH



CHEMICAL RESISTANCE



PET Sub-Lite-Wall™ heat delivers versatile performance across a broad range of applications.

APPLICATIONS

- Catheter braid termination
- Catheter shaft reinforcement
- Electrical insulation
- Manufacturing aid

CAPABILITIES AND SIZING

- Expanded IDs from 0.018" - 0.390" (0.457 mm - 9.906 mm)
- Expanded walls from 0.00025" - 0.003" (0.00635 mm - 0.076 mm) depending on ID size
- Wall tolerances as low as ± 0.0001 " (± 0.0025 mm) depending on wall thickness
- Available in natural and custom colors

KEY PROPERTIES

- Class VI approved resins available
- Recovery temperature: 158 °F - 374 °F (70 °C - 190 °C)
- Working temperature: Up to 275 °F (135 °C)
- E-beam, gamma, EtO, and autoclave sterilizable
- Excellent dielectric properties
- High tensile strength



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The dimensions and tolerances shown below are a guide only. By contacting our team, you can provide your own specifications for PET Sub-Lite-Wall™ heat shrink to ensure that we can help meet your requirements.

PET SUB-LITE-WALL™ HEAT SHRINK			
EXPANDED ID MIN.	RECOVERED ID	NOMINAL EXPANDED WALL THICKNESS	WALL THICKNESS TOLERANCE
0.018" – 0.390" (0.457 mm – 9.906 mm)	15% below Expanded ID Min. with no tension	0.00025" – 0.003" (0.00635 mm – 0.076 mm) <i>ID Dependent</i>	± 0.0001" – 0.0006" (± 0.0025 mm – 0.0152 mm) <i>Wall Dependent</i>

