Overview

Zeus PET Lay-Flat™ heat shrink brings together cost effectiveness, superior strength, and transparency into a single product that is ideal for insulation, encapsulation, and protection. With a comparatively low recovery temperature and good dielectric properties, PET has become a popular choice for encapsulating light bulbs, solenoids, and batteries. PET’s very high clarity and high working temperature are ideal for light bulb encapsulation.

By customizing PET Lay-Flat™ heat shrink’s expanded ID for each application, we are able to reduce the longitudinal shrinkage. We can provide PET Lay-Flat™ heat shrink with wall thickness as low as 0.004” (0.102 mm) with a maximum of up to 0.008” (0.203 mm) possible. PET Lay-Flat™ heat shrink widths range from 1” (25.4 mm) to 3” (76.2 mm).

PET Lay-Flat™ is available in 500 ft. (152 m) or longer spooled seamless lengths. This space-saving configuration allows us to ship 1” (25.4 mm) ID tubing on a 500 ft. spool which will fit in a convenient 9” (229 mm) box.

Applications

• Battery pack encapsulation
• Bus bar insulation
• Capacitor encapsulation
• Fluorescent light bulb encapsulation

Capabilities and Sizing

• Spooled up to 500 ft. (152 m) lengths
• Available in long seamless lengths
• Wall thickness 0.004” (0.102 mm) with 0.008” (0.203 mm) max possible
• Expansion ratios up to 2:1
• T5, T8, and T12 sizes
• Custom sizes available

Key Properties

• UV resistant (requires additive)
• Low shrink-back temperature
• Low water absorption
• High transparency
• Working temperature up to 293 °F / 145 °C

Note: Ultraviolet (UV) light will decrease the thermal properties of PET Lay-Flat™.