

Heat Shrink Tubing

Custom and Standard Polyolefin Heat Shrink Solutions

Product & Process Consistency for Optimal Clinical Outcome

Heat shrink tubing applications range from device bonding – including balloon bonding, lab bonding, butt bonding – to protective sheathing, marker banding and strain reliefs.

Lubrizol Life Science Health's (LLS Health) precision heat shrink tubing capabilities yield cost-effective solutions for a broad range of medical devices. Our high shrink ratios ensure a high compression force at low recovery temperatures (275 - 350°F/135 - 177°C). Within an ISO 13485: 2016 certified facility, our process and process control of polyolefin heat shrink enables excellent concentricity and flexible thin-wall construction facilitating easy of use, excellent fit and compliance.

Readily Available Stock Sizes & Design Specific Customization

Whether you require a range of standard heat shrink tubing to meet project timelines or custom sizing to achieve precision fits, LLS Health offers the best solution. Because heat shrink tubing recovers to a smaller diameter

after heating, we put the proper process controls in place to ensure that every product meets your requirements for minimum expanded inner diameter, maximum recovered inner diameter, recovered wall thickness and length.

Plus, we offer a full range of polyolefin materials, including LDPE, MDPE and LLDPE (low-, medium- and linear low-density polyethylene) options to meet your specific design and process needs.

Exceptional Manufacturing Capabilities

LLS Health's experienced staff utilizes high concentricity extrusion, precise radiation and a tightly controlled expansion process to tackle the most challenging heat shrink tubing requirements. Our expertise includes:

- Standard and custom sizes
- Expanded ID 0.01" - 0.30" (0.25 mm - 7.62 mm)
- Expanded wall thicknesses as thin as 0.0003" (0.00762 mm)
- Length: 0.5" - 60" (1.2 cm - 152.4 cm), continuous length for some sizes
- Shrink ratios as high as 15:1
- Rapid and low recovery temperatures of 275 - 350°F/135 - 177°C, depending on material
- Colors: clear and customer-specified
- Printing

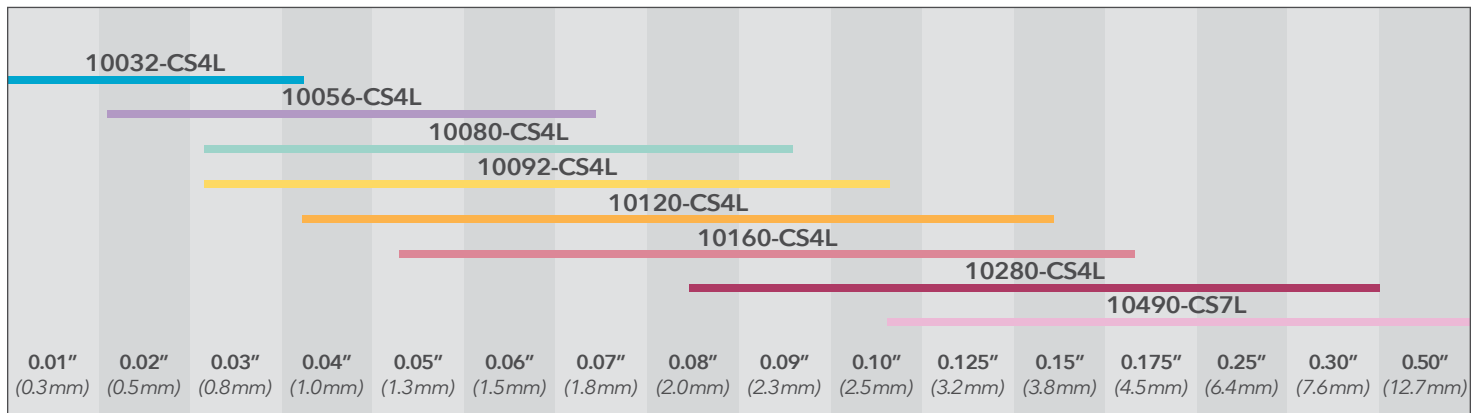
LLS Health's Standard Polyolefin Heat Shrink Tubing Line

View Our Product Line

| Part Number | 10032-CS4L | 10056-CS4L | 10080-CS4L | 10092-CS4L | 10120-CS4L | 10160-CS4L | 10280-CS4L | 10490-CS7L |
|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|------------------------|----------------------|------------------------|
| Minimum Expanded ID | 0.032" (0.81 mm) | 0.056" (1.42 mm) | 0.080" (2.03 mm) | 0.092" (2.34 mm) | 0.120" (3.05 mm) | 0.160" (4.06 mm) | 0.280" (7.11 mm) | 0.490" (12.45 mm) |
| Maximum Recovered ID | 0.013" (0.33 mm) | 0.019" (0.48 mm) | 0.025" (0.64 mm) | 0.028" (0.71 mm) | 0.036" (0.91 mm) | 0.045" (1.14 mm) | 0.077" (1.96 mm) | 0.094" (2.39 mm) |
| Expanded Wall | 0.00083" (0.021 mm) | 0.00094" (0.024 mm) | 0.00085" (0.022 mm) | 0.00085" (0.022 mm) | 0.00093" (0.024 mm) | 0.00094" (0.024 mm) | 0.001" (0.025 mm) | 0.00085" (0.021 mm) |
| Maximum Recovered Wall | 0.0028" (0.071 mm) | 0.0028" (0.071 mm) | 0.004" (0.102 mm) | 0.00325" (0.083 mm) | 0.003" (0.076 mm) | 0.0039" (0.099 mm) | 0.008" (0.203 mm) | 0.008" (0.203 mm) |

Determine the Expanded ID

Select a product with an expanded ID large enough to easily fit over the largest OD of your component.



About Lubrizol Life Science Health

The Health business team partners with customer to speed their innovative medical devices and differentiated pharmaceutical products to market. Our dedicated team provides best-in-class polymers and excipients, along with state-of-the-art product design, development, and manufacturing services, with the ultimate goal of creating solutions that improve patient outcomes.

For more information visit www.Lubrizolmeddevicecm.com or email lls_cm@lubrizol.com.