



Balloon Extrusion

The Contract Manufacturing business of Lubrizol Life Science Health (LLS Health) offers precision extrusion solutions of semi compliant and non compliant balloon designs. Our expertise lies in **coronary, peripheral, neurovascular and other device applications.**

The LLS Health engineering team will work with your R&D team to understand and develop balloon tubing that meets your specific design and performance requirements.

Extrusion Carefully Stressed to Support the Introduction of a Balloon Feature

Our fully integrated facility affords tight manufacturing controls for the critical parameters necessary to ensure optimal balloon performance.

LLS Health's high-yielding medical device balloon extrusion provides for uniform wall thickness, excellent concentricity, and optically clear and repeatable mechanical properties, necessary for critical clinical applications.

Extruded, Tested and Inspected for Quality

Our unique process controls allow us to manufacture high yield balloon extrusion. We extrude quality and highly concentric tubing that meets specific dimensional and cosmetic requirements. Our team controls important mechanical features such as elongation and tests the tubing to ensure that required functional properties are met and defects are eliminated.



Balloon Catheter Design and Development

LLS Health also offers full balloon catheter design and development services including technologies for drug coating of balloons and stent crimping.

High-Quality Balloon Extrusions, Thin Wall and High Burst Pressure

Our experienced team ensures that the extrusion adheres to customer specified dimensional and mechanical requirements. Our expertise includes:

- Balloon extrusion manufacturing
 - Excellent concentricity > 90%
 - Even wall thickness tolerance $\pm 0.0005"$ (± 0.012 mm)
 - Tight dimensional tolerance $\pm 0.0005"$ (± 0.012 mm)
 - Repeatable mechanical properties, such as elongation and tensile strength
 - Inspection of tubing for cosmetic defects
 - Testing: fatigue, burst, collapse
- Custom materials and shapes available by request
- Irradiation for polyolefin balloon extrusion
- Rapid extrusion services

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
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