

Balloon Tubing

ISO 9001 & ISO 13485

Do you know what balloon tubing elongation is? Does it really matter? Precision Extrusion Inc. is here to tell you it does. The quality of the final balloon depends on the elongation of the tubing. The balloon blowing process involves stretching tubing a very specific amount longitudinally and blowing it out radially at the same time. Too much or too little elongation requires adjustments to given process conditions. Making adjustments because of lot to lot inconsistencies and variations within the same lot takes precious time away from your day.

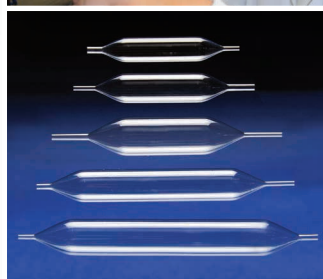
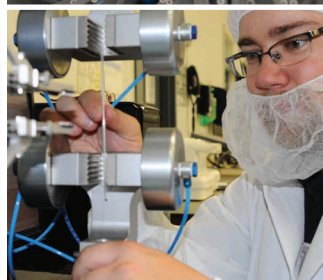
Everyone wants a process that is robust, and independent of as many variables as possible. At PEI, we understand this. With over 20 years of experience making balloon tubing, not only do we typically hold +/- .0005" on ID and OD, but we can also hold the %E to a very tight range, sometimes within +/- 20%, but almost always within +/- 25%.

Lot to lot variation is an efficiency killer: decreased yields, increased set up time, and daily process troubleshooting. Bag to bag and lot to lot variations can cause your process to be "compromised" to ensure good quantities of balloons are produced. But quantity isn't everything. Quality comes first at Precision Extrusion, Inc. With our balloon tubing you will be able to fine tune your process to maximize performance of the finished product. You won't have to compromise your process to be able to run sub-standard tubing.

Our unique equipment and extrusion process can provide:

- Better control of some of the critical properties, e.g. elongation and tensile strength
- +/-0.0005" tolerances both on OD and ID
- Clear and smooth surface
- Excellent concentricity

All of this combined will reduce the defect rate and help you, the customer, to form quality balloons to meet your most demanding specifications.



Materials:

- Nylon 11® and Nylon 12®
- PEBAX® (nylon co-polymer)
- PET
- PUR
- EVA, or
- Custom blend materials

Range of sizes:

(for size 0.5mm to 50mm of compliant, semi-compliant, and non-compliant balloons)

- ID from 0.0068" to 0.3188"
- OD from 0.0132" to 0.3528"
- OD/ID tolerance: +/-0.0005"
- Depending on the size
Concentricity >90%

Precision Extrusion, Inc. has been a major supplier of balloon tubing to the medical device industry for almost 25 years.

We are committed to unsurpassed quality control, ongoing investments in technology and state-of-the-art equipment, with excellent customer service.

At PEI, precision, performance, and perfection really do matter.

Precision Extrusion, Inc.

Precision. Performance. Perfection.

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