



ELONGATION DOES MATTER – DO YOU KNOW WHAT YOUR BALLOON TUBING ELONGATION IS?

Everyone that has ever tried to make an angioplasty type rigid balloon knows how sensitive the process is to so many variables. One of those variables is elongation... and some might say “does elongation really matter...?” The answer is of course it does. The balloon blowing process involves stretching the tubing a very specific amount longitudinally and at the same time blowing it out radially... how well this happens is very dependent on the elongation of the tubing. Too little or too much elongation changes the end result for a given set of process conditions.

Yes, you can make adjustments to the process to deal with many, but probably not all, of the different elongations you will encounter... but do you really want to do that on an ongoing basis every day? Do you want to make adjustments every day based on which bag of tubing you are using because of variations within the lot? Do you want to have to completely change your process with the next vendor lot because of lot to lot inconsistency?

The answer is of course no to all of the above. Everyone wants a process that is robust, and independent of as many variables as possible. At Precision Extrusion, Inc., we have been making balloon tubing for almost 25 years and we understand that. 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 the process to be “compromised” to ensure a good quantity of balloons are produced... but is quantity what you want? Again, not by itself, no. Quality comes first. With balloon tubing from Precision Extrusion, Inc., 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.

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