



# Biopharmaceutical Tubing:

Unleashing Excellence in Performance and Safety

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## Product Overview:

Our biopharmaceutical tubing is meticulously designed to meet the stringent demands of the biopharmaceutical industry. With a focus on leachables and extractables, pump life, burst strength, and chemical resistance, our tubing delivers unparalleled performance, ensuring the integrity and safety of your valuable products.

## KEY FEATURES AND BENEFITS:

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### 1. Leachables and Extractables Excellence:

Our tubing undergoes rigorous testing and validation to minimize the presence of leachables and extractables. We understand the criticality of maintaining product purity, and our tubing is engineered to minimize any potential interaction with your valuable pharmaceutical compounds.

### 2. Extended Pump Life:

Designed to enhance operational efficiency and reduce downtime, our tubing exhibits exceptional durability. With its robust construction and high-quality materials, it extends the life of your pumps, ensuring continuous and reliable performance over an extended period.

### 3. Excellent Burst Strength:

Your products are valuable, and we understand the importance of ensuring their protection throughout the manufacturing process. Our tubing boasts unmatched burst strength, providing an additional layer of security, minimizing the risk of leakage, and safeguarding your products' integrity.

### 4. Superior Chemical Resistance:

In the challenging biopharmaceutical environment, our tubing is a trusted ally. It exhibits superior chemical resistance, withstanding exposure to a wide range of aggressive chemicals, including acids, bases, and solvents. This exceptional resistance ensures the stability and integrity of your products throughout the manufacturing process.



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### Product Specifications:

- **Material:** Our tubing is manufactured using high-quality materials that comply with industry standards and regulatory requirements.
- **Inner Diameter (ID) and Wall Thickness:** Available in a range of customizable options to meet your specific application needs.
- **Length:** Supplied in standard lengths or tailored to your requirements for seamless integration into your manufacturing processes.
- **Transparency:** Choose from translucent or transparent options, allowing enhanced process visibility and ease of monitoring.

### Applications:

- **Fluid Transfer Systems:** Our tubing is the ideal choice for fluid transfer applications, enabling smooth and reliable transportation of critical fluids, including media, buffers, and drug solutions.
- **Peristaltic Pump Applications:** Experience optimal performance with our tubing, specially designed to be compatible with peristaltic pump systems, ensuring accurate and consistent fluid flow, and maintaining the integrity of your valuable pharmaceutical products.
- **Cell Culture Systems:** Create the perfect environment for cell growth with our biocompatible tubing, ensuring reliable nutrient supply, waste removal, and gas exchange to support robust and reproducible cell culture processes.
- **Pharmaceutical Filtration:** Connect your filtration devices with confidence, as our tubing provides reliable conduit, ensuring the integrity of your filtration systems and the purity of your pharmaceutical products.

### Burst Strength

Range of sizes offered spanning from 0.25 ID to 0.50 ID

#### SX0706 (0.250" ID)

Sample	PSI	Bar
#1	58	4.0
#2	61	4.2
#3	75	5.2
<b>Average</b>	<b>65</b>	<b>4.5</b>
<b>Median</b>	<b>61</b>	<b>4.2</b>

**Smallest:** 0.250ID x 0.375OD  
**Wall:** 0.063

#### SX0707 (0.375" ID)

Sample	PSI	Bar
#1	87	6.0
#2	90	6.2
#3	83	5.7
<b>Average</b>	<b>87</b>	<b>6.0</b>
<b>Median</b>	<b>87</b>	<b>6.0</b>

**Medium:** 0.375ID x 0.625OD  
**Wall:** 0.125

#### SX0708 (0.500" ID)

Sample	PSI	Bar
#1	86	5.9
#2	67	4.6
#3	71	4.9
<b>Average</b>	<b>75</b>	<b>5.1</b>
<b>Median</b>	<b>71</b>	<b>4.9</b>

**Largest:** 0.500ID x 0.750OD  
**Wall:** 0.125

### Extended Pump Life

Designed to enhance operational efficiency and reduce downtime, our tubing exhibits exceptional durability with minimal spallation. With its robust construction and high-quality materials, it extends the life of your pumps, ensuring continuous and dependable performance over an extended period. Prolonged pump life directly contributes to the overall efficiency of biopharmaceutical operations, reducing downtime, minimizing maintenance frequency, and enhancing the integrity of the end products that reach patients.

### Trust in Our Expertise:

At Kent Elastomer Products we are committed to providing innovative solutions that exceed expectations. With our biopharmaceutical tubing, you can trust in our expertise, product quality, and dedication to enhancing the safety and performance of your biopharmaceutical manufacturing processes.

Contact us today to discover how our biopharmaceutical tubing can elevate your operations and ensure the utmost integrity and safety of your valuable products.