

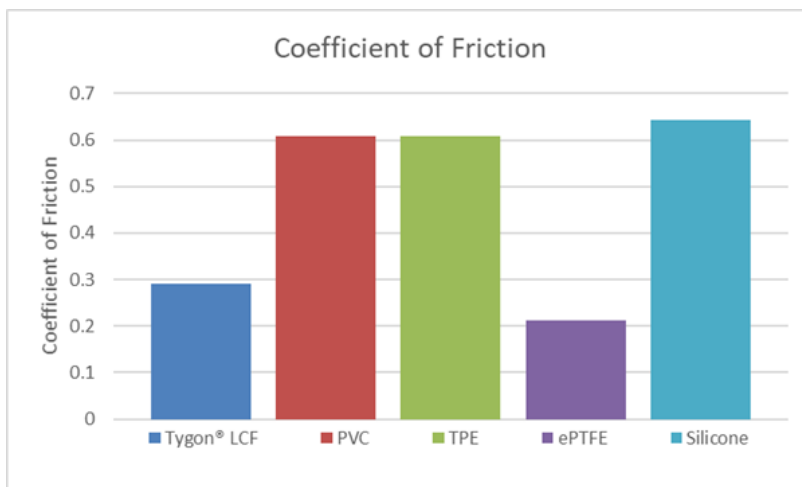


## Tygon® LCF

### Low Coefficient of Friction Tubing for Medical Device Manufacturers

#### Advantages of Lubricity

Saint-Gobain's Tygon® LCF tubing is a proprietary thermoplastic elastomeric (TPE) formulation that meets USP <88>, Plastic Class VI criteria. This medical grade tubing is flexible and has a low Coefficient of Friction (COF) value. A low COF value is critical for typical applications such as fiber optic cables and endoscopes where lubricity provides a smooth and easy transition.



#### Features / Benefits

- Meets USP <88>, Plastic Class VI Criteria
- Cost effective low coefficient of friction polymer
- Lubricious
- Flexible
- Disposable

#### Typical Applications

- Fiber optic cable
- Endoscopes

#### Sterilization Method

- Sterilizable by gamma irradiation



## Typical Physical Properties of Tygon® LCF

Property	Reference	Value or Rating
Durometer Hardness, Shore A	ASTM D2240	72
Tensile Strength, psi (MPa)	ASTM D412	2710 (18.68)
Ultimate Elongation, %	ASTM D412	810
Tear Resistance, lbs-f/in (kN/m)	ASTM D1004	270 (.03)
Compression Set Constant Defl., @158°F (22hrs @ 70°C), %	ASTM D395	17
Specific Gravity	ASTM D792	0.90
Maximum Recommended Operating Temp °F (°C)	N/A	100 (38)
Color	Visual	White

\* Unless otherwise noted, all tests were conducted at room temperature (73°F). Values shown were determined on 0.075" thick extruded strip or 0.075" thick molded ASTM plaques or molded ASTM durometer buttons



Saint-Gobain Life Sciences

210 Harmony Road  
Mickleton, NJ 08056 USA  
Tel: (856) 423-6630  
Fax: (856) 423-8182

[www.medical.saint-gobain.com](http://www.medical.saint-gobain.com)

**Important:** "This Saint-Gobain product is a medical component intended for processing or use in the manufacture or assembly of medical devices before the finished medical device is packaged/labeled; it is intended to be included as part of the finished, packaged, and labeled device [21CFR820.3(c)]. Please refer to our Medical Products Disclaimer at [www.medical.saint-gobain.com/resources/regulatory-and-quality/medical-product-disclaimer](http://www.medical.saint-gobain.com/resources/regulatory-and-quality/medical-product-disclaimer). **Caution:** For manufacturing, processing or repackaging"

**IMPORTANT:** It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Life Sciences products for all intended uses and that the materials to be used comply with all applicable medical regulatory requirements. Saint-Gobain Life Sciences assumes no responsibility for any product failures that occur due to misuse of the materials it provides arising out of the design, fabrication or application of the products into which the materials are incorporated.

**WARRANTY:** For a period of 12 months from the date of first sale, Saint-Gobain Life Sciences warrants this product to be free of defects in materials and workmanship. Our only obligation will be to replace any portion proving defective, or at our option, to refund the purchase price thereof.

SAINT-GOBAIN LIFE SCIENCES DISCLAIMS ALL IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.