

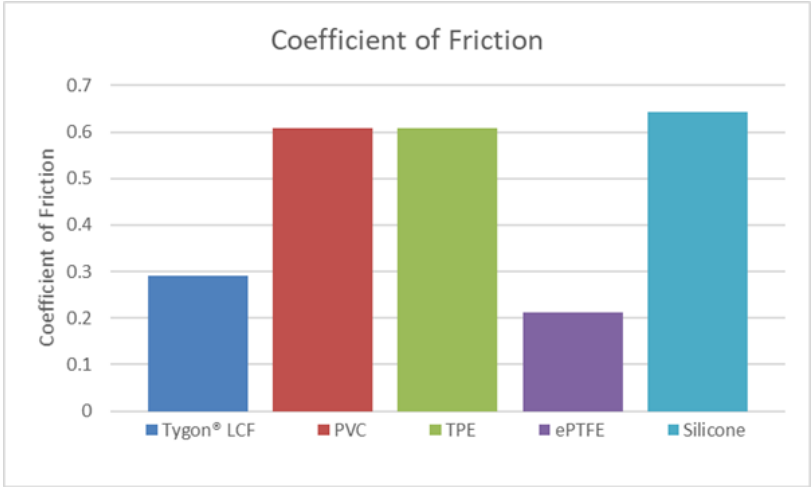


Tygon® LCF

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



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