

Extrusion Solutions

Tubing formulated specifically to meet the needs of medical applications

Experience the difference

We offer a broad range of optimized standard formulations in addition to custom compounding. Centralized R&D centers and on-site test labs enable our material scientists and chemists to work directly with our manufacturing and engineering teams to tailor formulations for customer-specific performance criteria.

Global manufacturing excellence

Global manufacturing sites, each specializing in a sub-set of materials, allows for best-in-class manufacturing across our extensive library, from thermoplastics to silicones. Automation controls and in-line quality inspections deliver the tolerances and consistency demanded by the medical market.

Material expertise

Leverage our materials expertise and robust extrusion capabilities to achieve ideal performance. From dosage control for drug delivery to chemical resistance for diagnostic equipment, Saint-Gobain Medical delivers purpose-built tubing engineered to meet your specifications.

Materials

- TP
- TPE (TPU, TPO)
- Silicone
- Engineered polymers
- Custom blends

Capabilities

- Braided tubing
- Color striping
- Frosted finish
- Paratubing
- Multi-layer, Multi-lumen

OPTIMIZED FORMULATIONS

- Tygon® ND-100 series
- Tygon® specialty grades
- Bio-Sil® silicone tubing
- MPF series

CUSTOM COMPOUNDING

- For challenging applications
- Tailored to meet specific needs

PRECISE, REPEATABLE MANUFACTURING

- 50+ years extrusion expertise
- Global recipe management
- Automation controls

Saint-Gobain tubing for medical device manufacturers

Leverage our global manufacturing footprint and broad range of materials to streamline your supply chain



TYGON® ND 100 SERIES

- Developed to meet the needs of medical applications
- Durometer (shore A): 40, 55, 65, 70, 80
- Typical applications include dialysis, drug delivery, minimally invasive surgery, respiratory therapy, IV and intra-arterial infusion**



TYGON® SPECIALTY GRADES

Tygon® E-LFL

- Specifically formulated for use in peristaltic pump applications
- Long flex life reduces downtime due to pump failure



Tygon® LCF

- Proprietary formulation that is flexible with a low coefficient of friction
- Typical applications include fiber optic cables and endoscopes**



Tygon® S-97-E EMCO Tubing

- Formulated to meet the needs of extracorporeal membrane oxygenation (ECMO) and other applications that involve pumping of body fluids
- Tubing offers a long pump life and excellent flexibility



BIO-SIL® SILICONE

- Platinum-cured silicone tubing developed to offer a combination of strength, durability, and long-life in applications where non-reactivity with body fluids and skin are important
- Durometer (shore A): 45 - 60
- Typical applications include peristaltic pumps, drug delivery, respiratory therapy, wearable technology system, and blood analysis**



MPF SERIES

- TPU and TPO tubing formulated as an alternative to PVC
- Durometer (shore A): 83 - 87
- Typical applications include fluid and oxygen administration, cerebral spinal fluid management devices, and artificial life support**

** Typical applications are based on a combination of industry knowledge, material science expertise, and/or material testing data. Please reach out to Saint-Gobain Medical for guidance on application-specific needs.

We design, develop and deliver custom medical components and engineered systems for medical devices

Silicone Molding • Filtration Technologies • Extrusion Solutions • Catheter Systems • High Purity Closures

Saint-Gobain Performance Plastics Corporation's Life Science ("Saint-Gobain") products that are used as components in the manufacture of any Medical Devices (as defined by the FDA) are sold by Saint-Gobain only and exclusively to Medical Device manufacturers for use in the manufacture, assembly or distribution of their medical devices. Medical Device manufacturers, to whom Saint-Gobain sells components or for whom Saint-Gobain acts as a subcontractor for finished products, are solely responsible for determining whether their finished products are a medical device and complying with the appropriate certifications and registrations.

NOTE: This document is intended to provide information about the product to enable you to consider whether generally the Product meets your application need and is not intended to provide product specification. This document should not be considered a Product warranty or guaranty. To the extent this document mentions any tests done by Saint-Gobain, such tests are done under controlled laboratory circumstances and hence other factors in your use and application may impact such values.

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