

Medical Market Capabilities

A World of Difference



Global Presence. Local Resource.

From our worldwide network of facilities, Saint-Gobain Performance Plastics is strategically positioned to partner with companies across the globe to provide the highest quality products and the most valuable manufacturing processes to our customers.

Our company offers ISO Class 7 and 8 cleanrooms for medical device component manufacturing, focusing on Lean Manufacturing utilizing Six Sigma principles. In addition to molding and extrusion, Saint-Gobain supports customers through value-added services and supply chain solutions that may include assembly operations and kanban systems.

With its state of the art robotics and processing techniques, Saint-Gobain is prepared to help you develop and manufacture your high volume medical device.

Our engineers stand ready to partner with you throughout the entire life cycle of your product - from design and development to prototype and tool build into full production.



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Who We Are

Saint-Gobain specializes in fluid-management components and tubing for medical device manufacturers. Through our expertise in silicone, thermoplastic elastomers and fluoropolymers, we produce high quality products such as TYGON® tubing, Bio-Sil® tubing, and custom fabricated parts such as seals, gaskets, valves and other fluid management components.

Market Segments

- Cardiology
- Ophthalmology
- Wound Therapy
- Diagnostics
- Minimally Invasive Surgery
- Nutrition
- IV Delivery
- Endoscopy
- Disposables
- Rental Dialysis
- Advanced Drug Delivery

ON THE WEB AT:

www.medical.saint-gobain.com

To find out more about how Saint-Gobain can meet your medical manufacturing needs, call (800) 236-7600 or email medical@saint-gobain.com



Advanced Molding and Fabrication

Saint-Gobain is a global leader in silicone molding and custom silicone fabrication. Based on the design, material and cost requirements for your medical device component, our design and project engineers will work with you to determine the optimal molding process for your particular application.

Custom Silicone Molding

- Liquid injection molding
- High consistency molding
- Insert molding
- Transfer molding
- High volume molding

Silicone Micromolding

- Complex part geometries
- Parts as small as 0.001g
- Mold tolerances as low as 0.0001"
- Part tolerances as low as 0.001"
- Hole sizes as small as 0.003"
- Thin wall sections to 0.0015"
- Undercuts, threads, blind shutoffs

Two-Shot Silicone + Thermoplastic Molding

- Reduced part cost
- Greater design freedom
- Elimination of assembly
- Improved performance & quality
- Increased bond strength
- Reduced handling & validation costs
- Product to the market faster



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State-of-the-Art Extrusion

Silicones, Thermoplastic Elastomers, & Fluoropolymers

Saint-Gobain brings more than 40 years of extrusion experience to the medical device industry. Using state-of-the-art machinery and monitoring equipment, we provide custom medical tubing and molded components to meet the critical needs of medical device OEMs. Our facilities are equipped to meet the strictest of demands on surface finish and tolerances of tubing and molded components. Thermoplastic product lines include TYGON® and C-Flex® brands and we offer a variety of fluoropolymer materials including PTFE, FEP, MFA, PFA, and ETFE.

- Single and multiple lumen tubing
- Paratubing
- Round or Profile tubing
- Microbore tubing
- Coextrusions up to five layers
- Radiopaque & corrugated tubing
- Tapes
- Custom formulations



Rapid Prototyping & Tooling

With our in-house tooling design and build services for extrusion and silicone molding, Saint-Gobain reduces lead times and improves your control over prototyping and production processes. Our dedicated development center partners with you throughout the design and development phase to provide a manufacturable design and material that meets your device requirements, delivering a functional and affordable silicone component in 10 business days or less.

Custom Compounding

Saint-Gobain specializes in custom material blending and compounding – including high & low durometer formulations, color matching, and more – all designed to meet your specific material requirements. Our highly skilled team of applications engineers, process engineers, and chemists are available to assist you in developing and commercializing new products, and each of our manufacturing sites is equipped with a material testing lab to ensure that raw materials, in-process, and finished products meet design specifications and the highest quality levels.

IMPORTANT: It is the user's responsibility to ensure the suitability and safety of Saint-Gobain Performance Plastics tubing for all intended uses. Laboratory and clinical tests must be conducted in accordance with applicable regulatory requirements in order to determine the safety and effectiveness for use of medical products in any particular application.

For a period of 6 months from the date of first sale, Saint-Gobain Performance Plastics Corporation warrants this product to be free from 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. User assumes all other risk, if any, including the risk of injury, loss or damage, direct or consequential, arising out of the use, misuse, or inability to use, this product. THIS WARRANTY IS IN LIEU OF THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR PARTICULAR PURPOSE, AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. No deviation is authorized.

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