



# Minimally Invasive Surgery: PEEK Solutions for Catheters

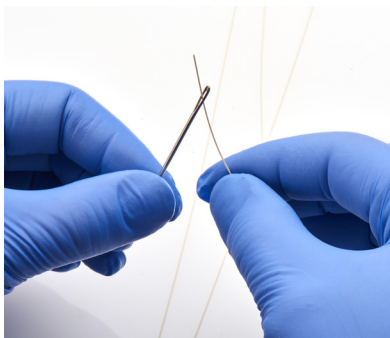
## M.I.S.

Minimally invasive surgical (M.I.S.) techniques have been developing for over two decades. These techniques, which use blood vessels, respiratory tracks or other natural routes to diagnose or heal, require devices of extreme precision and resistance to ensure patients' safety throughout the procedure. PEEK solutions make these micro-sized, complex devices a reality.

## Who We Are

Saint-Gobain Life Sciences specializes in PEEK extrusion and overmolding for highly demanding minimally invasive applications. As medical device requirements continue to evolve and become more complex, we leverage our global expertise in advanced material science and polymer processing to solve technical challenges.

## Why choose PEEK ?



Material of choice for catheters requiring:

- High strength & temperature resistance
- High burst pressure performance
- Electrical Insulation
- Proximal structural stiffness
- Pushability and torque

## Main Properties

- Biocompatibility
- Chemical resistance
- Abrasion resistance
- Tensile and column strength
- High flexural modulus

## Main Therapeutic Areas

- Cardiovascular
- Structural heart
- Neurovascular
- Orthopedics
- Pulmonary

## Customization

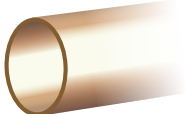
In addition to the wide array of standard sizes available, customizations are offered including colors, dimensions and geometries.

# Our Expertise



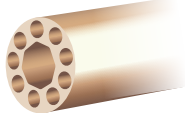
## SINGLE-LUMEN TUBING

- Delivery system inner layer
- Microcatheter
- Capillary Access



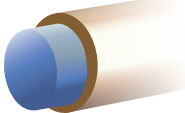
## THIN WALL TUBING

- Guiding catheter
- Steering wire sheath for endoscopes



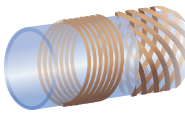
## MULTI-LUMEN TUBING

- Multi-function catheter
- Ablation catheter



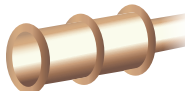
## SHEATHING

- Wire sheathing
- Fiber optic sheathing



## PEEK-REINFORCED TUBING (BRAID, COIL)

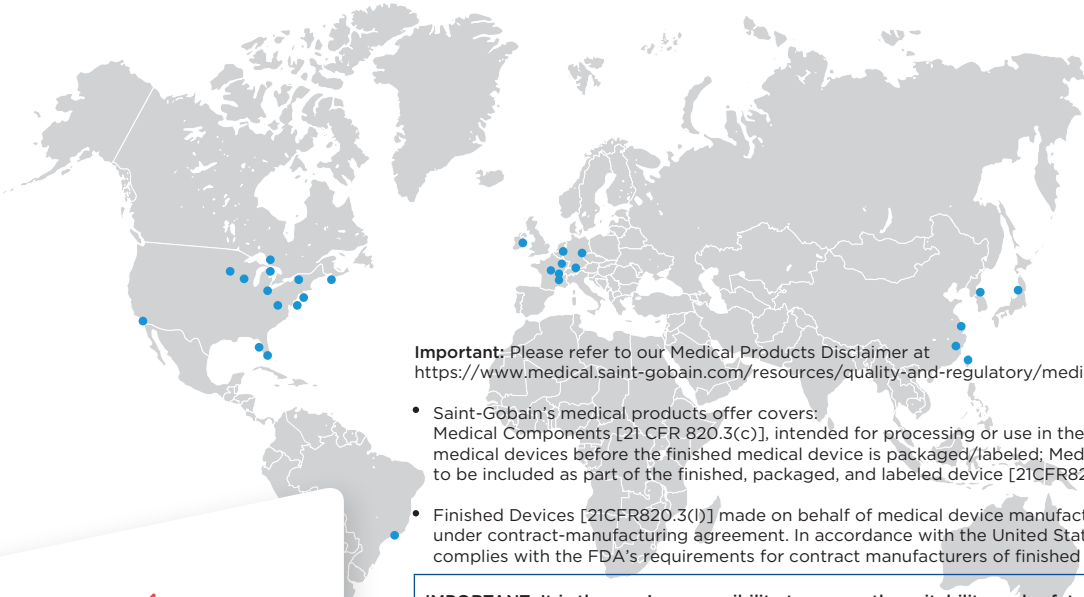
- Shaft reinforcement for MRI compatibility



## OVERMOLDED PARTS

- Connectors at proximal side
- Components for reinforcement of distal side

# Global Presence, Local Resource



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- Saint-Gobain's medical products offer covers: Medical Components [21 CFR 820.3(c)], intended for processing or use in the manufacture or assembly of medical devices before the finished medical device is packaged/labeled; Medical Components are intended to be included as part of the finished, packaged, and labeled device [21CFR820.3(c)].
- Finished Devices [21CFR820.3(l)] made on behalf of medical device manufacturers [21 CFR 807.20(a)(2)] under contract-manufacturing agreement. In accordance with the United States' jurisdiction, Saint-Gobain complies with the FDA's requirements for contract manufacturers of finished devices.

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