

Precision engineered fibers and yarns

Offering advanced textile solutions for
the medical device industry through
vertically integrated operations and
cutting-edge manufacturing expertise.



We are a family-owned technical textiles leader in the manufacturing of fiber and yarn. We leverage over a century of expertise delivering high-quality, precision-engineered products from our ISO-certified, state-of-the-art manufacturing facilities in New Jersey, USA.

Our ISO 13485:2016-certified process ensures exceptional traceability, safety, and consistency. By offering proof-of-concept through research and development, manufacturing, consulting expertise, and robust supply chain management, we empower our clients to innovate and bring life-saving solutions to market with efficiency and confidence.



As medical textiles manufacturers and distributors, we understand the precision, compliance, and rigorous quality standards expected of us by our discerning medical device customers.

ICF Mercantile Proprietary Manufactured Applications

Our in-house capabilities include: Spinning (extrusion), Draw winding, Texturing, Twisting (single and plied), and Rewinding.

We also offer two unique ICF products – **ICF Medi-FILS** (non-resorbable polymer) and **ICF Medi-SORB** (resorbable polymer). We also have a full range of polymers available.

theMEDI-FILS
THREAD FOR LIFE

theMEDI-SORB
BIOABSORBABLE FIBER





ICF MEDI-Fils is ICF's medical fiber product line, which includes polyester (PET) multi-filament medical yarn and fiber with customizable options, are available in small-lot-MOQs, made-to-order from our vertically-integrated process.

From resin to finished yarn, our vertical process is manufactured completely in-house under the auspices of ISO 9001:2015 and ISO 13485:2016 certifications.

Denier Range: 10 - 500 den
Denier Per Filament (dpf) : 1.1 - 5.5

Tenacity-Regular > 4.0 g/den
Tenacity-Medium > 5.5 g/den
Tenacity-High > 7.0 g/den

FDA approved solution dyed green, blue D&C 6 and black
FDY - twisting - plying- texturing; available for all deniers

ICF MEDI-Fils product line also includes multifilament PET Radio Opaque, PA6 and 6.6 (Nylon), monofilament (PP, PET, PA6, PA6.6, PBT)



ICF MEDI-Sorb is also part of ICF's medical product line, and made from resorbable yarns that are typically composed of polymers such as PGA (polyglycolic acid), PGLA (polyglycolic acid-co-l-lactic acid), PLLA (Poly-L-lactic acid) and PCL (polycaprolactone).

These materials offer controlled degradation rates, allowing the yarn to maintain mechanical integrity during tissue healing while gradually breaking down into biocompatible products. The controlled absorption of these yarns is crucial in applications such as medical sutures, where temporary structural support is needed before the material is naturally absorbed by the body.

Medi-Sorb characteristics: Available in FDY or Twisted FDY, Count Range: from 30 to 400 den, Twist level available from 2.5 to 18 TPI

FULL RANGE OF POLYMERS AVAILABLE

Our in-house laboratory allows us to perform all required tests in order to issue a final CoA and facilitate process control.





TECHNICAL TEXTILE EXPERTS FOR THE MEDICAL DEVICE MARKET

ICF Mercantile Distribution Offerings

ICF also offers distribution services and supply chain development for additional products for manufacturing brands including: Teijin Aramid Technora®, Honeywell Spectra®, Enka® Filament Rayon. Other non-branded distribution products include monofilament, LCP and nylon.

TEIJIN ARAMID
Technora®

Honeywell
Spectra®


ENKA®
Rayon

Why ICF Mercantile Medical Device Solutions?

- U.S. Based company & manufacturing
- ISO-Certified (ISO 9001:2015 and ISO 13485:2016)
- Dedicated medical manufacturing facility ensuring QA
- Vertically integrated medical textile processes
- Expert documentation, traceability, safety, compliance and consistency
- Consulting/proof-of-concept/supply chain expertise

Contact us for expertise and guidance with your technical textile needs.



icfmercantile.com

