

The image features a circular frame containing several pieces of clear, braided medical tubing. The tubing is arranged in a crisscross pattern against a solid blue background. A white circular border surrounds the entire scene. In the center, there is a stylized logo consisting of a circle of light blue, overlapping geometric shapes. The word "PROLIX" is written in white, bold, sans-serif capital letters across the middle of this logo. Above the logo, the word "INTRODUCING" is written in a smaller, white, sans-serif font.

INTRODUCING

PROLIX

Medical Fluid Management Tubing

PROLIX™

APPLICATIONS

Biomerics offers a full line of materials and tubing technologies for medical fluid management applications. Our materials, extrusions, and tubing are used in a variety of diagnostic, access, and interventional fluid management procedures including:

- **Contrast Injection**
- **Pressure Monitoring**
- **Interventional Cardiology Procedures**
- **Radiology Procedures**
- **Fluid Administration**
 - **Vascular Access Procedures**
 - **Inflation Tubing**
 - **Waste Management**
 - **Vacuum Procedures**
 - **Stent Placement Devices**



PROLIX™

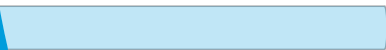
MEDICAL FLUID MANAGEMENT TUBING

Biomerics' Prolix line of medical fluid management tubing is designed for a wide range of procedural applications. Our high pressure, low pressure, and pressure monitoring tubing is available in various sizes, materials, and reinforcements.



○ **Prolix™ HPBT** 1,200 psi

Prolix™ HPBT, Quadraflex™ High Pressure Braided Tubing



○ **Prolix™ HPCE** 1,200 psi

Prolix™ HPCE, High Pressure Quadraflex™ Co-Extrusion Tubing



○ **Prolix™ HPC** 1,000 psi

Prolix™ HPC, High Pressure non-DEPH PVC Tubing



○ **Prolix™ LPC** 500 psi

Prolix™ LPC, Low Pressure non-DEPH PVC Tubing

PROLIX™

SPECIFICATIONS

Standard Products	Prolix™ HPBT	Prolix™ HPCE	Prolix™ HPC	Prolix™ LPC
Description	High Pressure Braided Tubing	High Pressure Co-Extrusion	High Pressure non-DEPH PVC	Low Pressure non-DEPH PVC
Pressure Rating	1,200 psi	1,200 psi	1,000 psi	500 psi
Standard Sizes* (ID / OD, Inches)	0.071 x 0.142 0.088 x 0.188	.071" x .141" 0.088 X 0.188	0.089" x 0.188"	0.089" x 0.159"
Material	Quadraflex™ Nylon Braid	Quadraflex™ / Nylon Co-extrusion	DEHP Free PVC	DEHP Free PVC
Standard Lengths* (Inches)	10", 20", 24", 30", 48", 60", 72"	10", 20", 24", 30", 48", 60", 72"	10", 20", 30", 48", 60", 72"	10", 20", 30", 48", 60", 72"
Standard Pic* (Per/Inch)	32-35 pic per inch	N/A	N/A	N/A
Flexibility	High	Medium	Low	Medium
Clarity	Medium	High	High	High

**Custom Sizes and Colors Available*

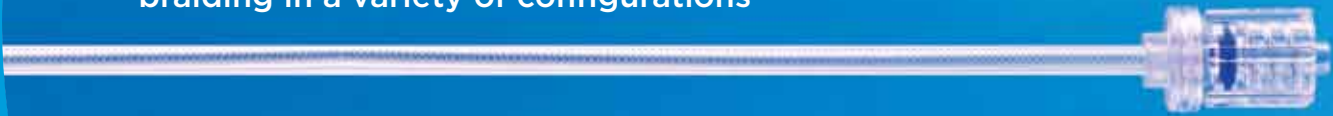


PROLIX™

CUSTOMIZATION & OEM ASSEMBLIES

Biomerics has the capacity and capability to customize your tubing and assembly. If our variety of standard sizes doesn't meet your needs, we are happy to tailor an extrusion to your specification.

- Cut to any length or coil
- OD up to 3/8 inch
- Reinforcement with polymer and metal braiding in a variety of configurations
- Any custom color and/or stripe
- Radiopacifiers
- Materials



We can build a wide range of custom fluid management tube sets via over molding, solvent bonding, and assembly operations. This includes fluid administration sets, contrast injection sets, contract transfer solutions, tube extensions, and pressure monitoring sets.

- Fixed Male and Female Luer Locks
- Rotating Male Lures
- Stopcocks
- Caps and Covers
- Clamps
- Valves
- Spikes
- Drip Chambers
- Manifolds
- Syringes



QUADRAFLEX™

The Building Block of PROLIX High Pressure Tubing

What is **QUADRAFLEX?**

Quadraflex™ is Biomerics' proprietary family of polyether-based medical grade thermoplastic urethanes. Quadraflex is the backbone of the Prolix™ fluid management tubing product line. The Quadraflex family of urethanes exhibits excellent mechanical properties, elasticity, and chemical resistance required in demanding fluid management applications. Quadraflex provides excellent biocompatibility, hemocompatibility, and is compliant to both USP Class VI and ISO-10993 direct contact requirements.

Quadraflex is available in a wide range of hardnesses, colors, and radiopacifiers. It is used across medical applications including Prolix™ medical fluid management tubing, vascular access catheters, drainage catheters, dialysis, wound care, and interventional cardiology devices.









QUADRA
Quadraflex™

QUADRA™

FAMILY OF MEDICAL POLYURETHANES

Biomerics' Quadra family of biomedical thermoplastic polyurethanes is engineered to meet the needs of the medical market.

- Quadrathane™**  A family of polycarbonate-based thermoplastic polyurethanes offering superior biocompatibility, chemical resistance and oxidative stability. Used in long term implantation applications.
- Quadraflex™**  A family of polyether thermoplastic polyurethanes, available in a variety of durometers and radiopacifiers used in medical catheters.
- Quadrasil™**  A family of silicone polyurethane copolymers that exhibit the properties of both urethane and silicone.
- Quadrplast™**  A family of aromatic rigid thermoplastic polyurethanes designed for rigid biostable applications. Typically used to replace nylon and polycarbonate in catheter components.
- Quadraban™**  A family of material technologies designed to incorporate or introduce antimicrobial agents into medical devices.
- Quadraphilic™**  A group of aliphatic hydrophilic thermoplastic polyurethane designed to absorb water or provide lubricity.

QUADRA™

CUSTOMIZATION

Biomerics specializes in the rapid development of custom grades to solve unique application requirements. Our specialized understanding of colors, radiopacifiers, lubricants, antimicrobials, and stabilizers enables us to tailor these products for a given application. Our chemists have partnered with our customers to introduce solutions for demanding applications such as implantable catheters, coatings, balloons, and blood contact applications.



Our product portfolio is engineered to provide the following unique performance benefits for medical applications:

Improved Anti-restenosis Grades

Superior Biocompatibility

Chemical Resistance

High Purity Grades

Body Softening

Solubility

Clarity

Excellent Mechanical Properties

Antimicrobial Grades

Oxidative Stability

Processability

Radiopacity

Lubricity

Color



BIOMERICS

2700 South 900 West | Salt Lake City, UT 84119

801.355.2705 | csr@biomerics.com

Biomerics

is an innovative polymer solution provider to the medical device industry. We specialize in biomaterials, coating, extrusions, injection molding, and medical device assembly. Our unique combination of biomaterial technology and manufacturing capabilities enables us to partner with our customers to develop new-to-market devices and solutions. Our products are manufactured in ISO 13485-2003 registered facilities under a robust quality management system in Salt Lake City, UT.