



PRECISION
FLUOROPLASTIC
TUBING



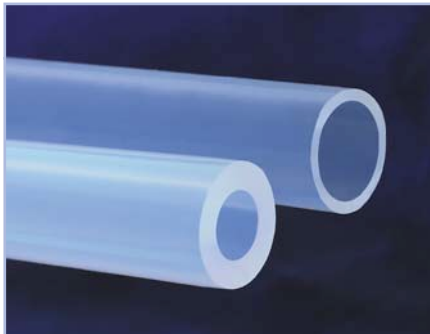
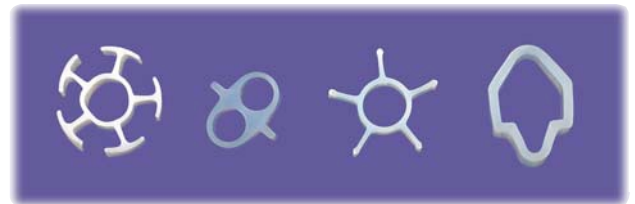


TexLoc is a world-class innovator in the design, development and manufacture of precision fluoroplastic tubing products. TexLoc tubing and related products are used in a wide range of applications throughout various industries worldwide. Guided by the demands of industry and technology, TexLoc engineers work closely with our customers to create products that are precision engineered to meet specific needs in a multitude of applications. In addition, our ability to work with low volume start up projects coupled with our in-house R&D facilities ensure the advantage of a comprehensive partnership that serves both our largest and smallest customers.

Our highly skilled engineering staff possesses extensive knowledge in the rapidly expanding technology of fluoroplastics and the diversity of its applications. TexLoc engineers draw on years of proven experience in process validation and design of experiment (D.O.E.) procedures to guarantee our customers a consistent and superior product. Our

Quality Assurance department plays an integral part in the complete product manufacturing process. In addition, TexLoc is able to provide complete traceability on each and every lot of tubing produced. TexLoc's medical production group, **TexMed**, offers USP Class VI compliant tubing that is inspected, cleaned and packaged in our on-site Class 10,000 clean room facility.

Material and size diversity are also important at TexLoc. We take pride in offering a broad selection of fluoroplastic and thermoplastic resins utilized in producing tubing in a multitude of sizes and wall thicknesses. In order to serve our customers better, we are continually adding to our selection of materials, product lines and size capabilities. At TexLoc, our on-site value added service department offers an array of custom oriented secondary services to compliment our production capabilities and superior quality. These services are in place to meet the increasing demand for customization and specific design criteria that our customers expect from a world-class supplier of precision fluoroplastic products.



Material Capabilities

PTFE *also with fillers
FEP
PFA
ETFE
ECTFE
THV
MFA
PVDF
PEEK™

PEI ULTEM®
PE
***PTFE Fillers**
 Glass Fiber
 Carbon Black
 Carbon Filler
 Carbon Fiber
 Metallic Fillers

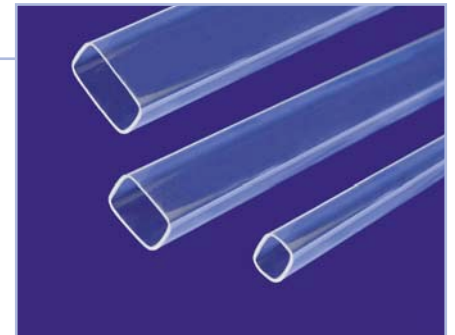
Molybdenum Disulfide
 Calcium Fluoride
 Alumina (Ceramics)
 Silica Fillers (Glass Beads)
Other Fillers
 Radiopaque
 Barium Sulfate
 Bismuth Trioxide

Production Capabilities

Single Tubing
 Multilumen Tubing
 Monofilament
 Heat Shrinkable Tubing
 Dual Shrink Tubing

Capillary Tubing
 Pipe Liners
 FEP/PE Coextrusions
 Optical Fiber Tubing
 Profiles & Shapes

Striped Tubing
 Convuluted
 Corrugated
 Bellows
 Wire Reinforced Tubing



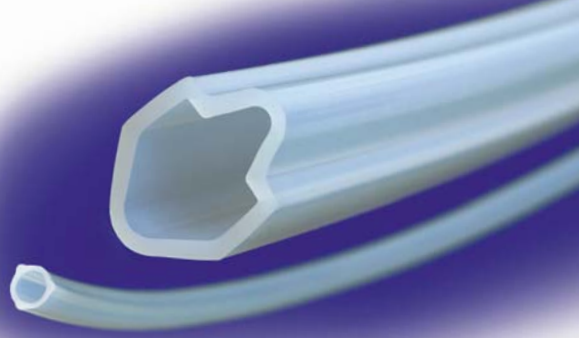
Value Added Capabilities

Etching
 Hole Punching
 Sealing
 Bonding
 Flaring
 Flanging

Forming
 Tube Slitting
 Tube Scoring
 Fittings
 Design Assistance
 Prototyping

Cut Pieces
 Cleaning
 Kits
 Assemblies
 Spiral Cutting

Ultem® is a registered trademark of GE Polymers. PEEK™ is a registered trademark of Victrex.



PTFE (Polytetrafluoroethylene)

Working Temperature: 500°F (260°C)

Color: Opaque to translucent, light blue tint, light brown tint

- Chemically Inert
- Lowest coefficient of friction
- Superior dielectric strength
- Exceptional heat resistance
- Self Extinguishing
- Nonwetting
- Excellent flexlife
- Laser markable

PFA (Perfluoroalkoxy)

Working Temperature: 500°F (260°C)

Color: Clear with light blue or light brown.

MFA (Polytetrafluoroethylene-Perfluoromethylvinylether)

Working Temperature: 500°F (260°C)

Color: Very Clear

- Excellent chemical resistance
- Exceptional heat resistance
- High light transmission
- Extremely smooth surface
- Long continuous lengths
- Smoother and clearer than PTFE
- Less permeable than PTFE
- Increased flex life over FEP

FEP (Fluorinated Ethylene Propylene)

Working Temperature: 400°F (204°C)

Color: Clear

- Excellent chemical resistance
- Nonwetting
- Weldable
- Tubes can be sealed by melting
- Long continuous lengths
- Low refractive index
- Improved clarity over PFA
- Lower cost alternative to PFA

ETFE (Ethylene Tetrafluoroethylene)

Working Temperature: 348°F (176°C)

Color: Translucent and Clear

- Increased mechanical strength
- Excellent chemical resistance
- Long continuous lengths
- Radiation resistant

ECTFE (Ethylene Chlorotrifluoroethylene)

Working Temperature: 325°F (162°C)

Color: White with brown tint

- Excellent chemical resistance
- Nylon-like durability
- Excellent impact resistance
- Nonwetting
- Exceptional permeation resistance
(10 to 100 times better than PTFE or FEP)

PVDF (Polyvinylidene fluoride)

Working Temperature: 265°F (130°C)

Color: Varies

- Very good chemical resistance
- Excellent resistance to creep and fatigue
- UV resistant
- Weldable
- Exceptional corrosion resistance for chlorine, fluorine, or bromine environments.

THV (Tetrafluoroethylene hexafluoropropylene vinylidene fluoride)

Working Temperature: 250°F (121°C)

Color: Transparent

- Permits bondability to other substrates without surface treatment
- Wettable
- Exceptional optical clarity
- Low refractive index
- Excellent chemical resistance
- Unmatched flexibility for melt processable fluoroplastics
- Excellent permeation resistance



Fluoroplastics

| Properties | ASTM | UNIT | PTFE | FEP | PFA | ETFE | ECTFE | PVDF | MFA | THV |
|------------|------|------|------|-----|-----|------|-------|------|-----|-----|
|------------|------|------|------|-----|-----|------|-------|------|-----|-----|

Mechanical Properties

| | | | | | | | | | | |
|--|-------|-------------------|---------------|---------------|----------------|-----------------|-----------|----------------|----------------|---------------|
| Specific Gravity | D792 | | 2.13-2.20 | 2.12-2.17 | 2.12-2.17 | 1.70-1.76 | 1.68 | 1.76-1.78 | 2.12-2.17 | 195-198 |
| Elongation | D638 | % | 200-450 | 250-330 | 280-400 | 420-460 | 200-300 | 300-450 | 300-360 | 500-600 |
| Tensile Strength | D638 | psi | 2000-7000 | 2800-5000 | 4000-4500 | 6100-6800 | 6600-7800 | 4500-6200 | 3500-4400 | 2900-4060 |
| Flexural Strength | D790 | psi | no break | no break | no break | 5500 | 7000 | 8600-9500 | na | 30,400 |
| Compressive Strength | D695 | psi | 3500 | 2200 | | 2500 | 1276-1711 | 11,600 | 2200 | 1800 |
| Tensile Elastic Modulus (Young's Modulus) | D638 | psi | 57,000 | 50,000 | 72,500-87,000 | 85,000-95,000 | 240,000 | 160,000 | 65,000-78,000 | 30,000 |
| Flexural Modulus | D790 | psi | 71,000-85,000 | 78,000-92,000 | 94,000-99,000 | 128,000-171,000 | 240,000 | 90,000-168,000 | 95,000 | 12,000-30,000 |
| Flex Life | D2176 | MIT cycles | >1,000,000 | 5000-80,000 | 10,000-500,000 | 10,000-27,000 | na | na | 10,000-100,000 | na |
| Hardness Durometer | | Shore D | D50-65 | D55 | D55-D60 | D75 | D75-D90 | D75-D85 | D55-D60 | D44-D54 |
| Coefficient of Friction | | (on steel) | 0.02 | 0.05 | 0.2 | 0.06 | 0.19 | 0.4 | 0.2 | na |
| Abrasion Resistance | Taber | 1000 revs. | 12 | 14-20 | 9-17 | na | 0.005 | 5-15 | 10-17 | na |
| Impact Strength IZOD 72°F/23°C | D256 | Notched ft/lbs/in | 3 | no break | no break | no break | no break | 4 | no break | no break |

Thermal Properties

| | | | | | | | | | | |
|---|------|----------------------|----------------------|----------------------|----------------------|------------------------|----------------------------|------------------------|----------------|--------------|
| Melting Point | | °C (°F) | 327 (621) | 260 (500) | 305 (582) | 267 (512) | 240 (464) | 171 (340) | 285 (545) | 120 (248) |
| Upper Service Temp. (20,000h) | | °C (°F) | 260 (500) | 204 (400) | 260 (500) | 176 (348) | 150-170 (300-340) | 130 (265) | 260 (500) | 121 (250) |
| Flammability | | UL 94 | V-0 | V-0 | V-0 | V-0 | V-0 | V-0 | V-0 | V-0 |
| Thermal Conductivity | | BTU/hr/ ft²/°F/in | 1.7 | 1.4 | 1.3 | 1.65 | 1.6 | 1.3 | 1.4 | 1.4 |
| | | Cal-cm/s-cm², °C | 6 x 10 ⁻⁴ | 6 x 10 ⁻⁴ | 6 x 10 ⁻⁶ | 5.7 x 10 ⁻⁴ | 4.7-5.3 x 10 ⁻⁴ | 3.0 x 10 ⁻⁴ | na | na |
| Linear Coefficient of Thermal Expansion | D696 | 10 ⁻⁵ °C | >11.6 | 8.3-10.5 | 13 | 13 | na | 4.2 | 11-12 | na |
| Heat of Fusion | | BTU/LB | 29-37 | 11 | 13 | 20 | na | na | 25.6 | na |
| Heat of Combustion | | BTU/LB | 2200 | 2200 | 2300 | 8100 | na | na | 6200 | na |
| Low Temperature Embrittlement | | °C (°F) | -268 (-450) | -268 (-450) | -268 (-450) | -100 (-148) | -76 (-105) | -62 (-80) | -232 (-450) | na na |

Electrical Properties

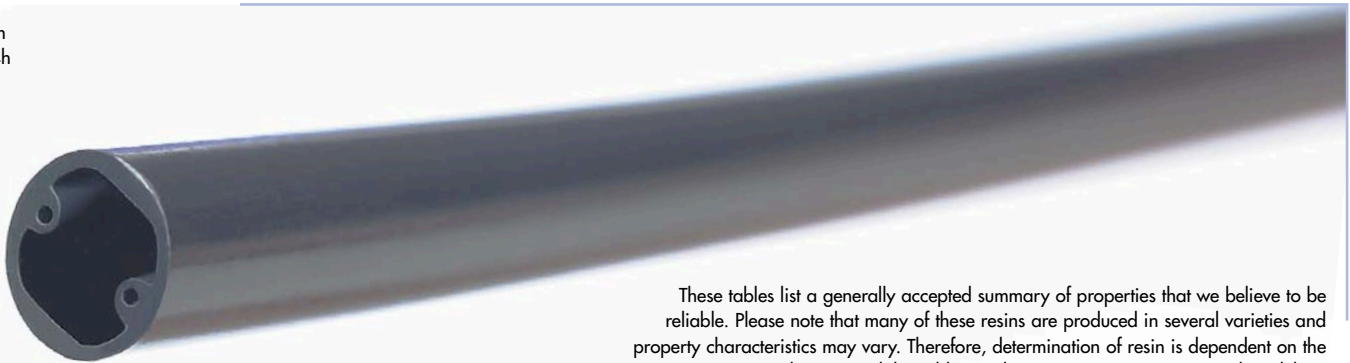
| | | | | | | | | | | |
|------------------------------------|------|---------|-------|-------|-------|-------|------------|----------|-------|-------|
| Dielectric Constant | D150 | 10³Hz | 2.1 | 2.1 | 2.1 | 2.6 | 2.5 | 7.72 | 2.0 | 3.5 |
| | D150 | 10⁶Hz | 2.1 | 2.1 | 2.1 | 2.6 | 2.59 | 6.43 | 2.1 | 4.2 |
| Dielectric Strength 10 mil film | D149 | v/mil | ≥1400 | ≥1400 | ≥1400 | 1600 | na | >1080 | 2000 | 1400 |
| Volume Resistivity | D257 | ohm-cm | >10¹⁸ | >10¹⁸ | >10¹⁸ | >10¹⁶ | >10¹⁶ | 2 x 10¹⁴ | >10¹⁷ | >10¹⁵ |
| Surface Resistivity | D257 | ohm/sq. | >10¹⁷ | >10¹⁷ | >10¹⁷ | >10¹⁵ | >10¹⁴-10¹⁵ | 5 x 10¹⁴ | >10¹⁷ | na |

General Properties

| | | | | | | | | | | |
|-----------------------------|--------|-------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Chemical/Solvent Resistance | D543 | | Excellent | Excellent | Excellent | Excellent | Excellent | Very Good | Excellent | Excellent |
| Water Absorption, 24h | D570 | % | < 0.01 | < 0.01 | < 0.03 | < 0.03 | < 0.1 | < 0.04 | < 0.03 | < 0.01 |
| Deformation Under Load | *D621 | 100°C | 5.0 | 5.0 | 2.4 | 5.4 | 2.6 | 2.4 | na | na |
| | **D621 | 25°C | 7.0 | 3.0 | 2.7 | 2.3 | 0.2 | 0.7 | na | na |
| Refractive Index | | | 1.35 | 1.338 | 1.34 | 1.40 | 1.447 | 1.42 | na | 1.35 |
| Limiting Oxygen Index | D2863 | % | >95 | >95 | >95 | 31 | 60 | 43 | >95 | >75 |

| Properties | ASTM | UNIT | PTFE | FEP | PFA | ETFE | ECTFE | PVDF | MFA | THV |
|------------|------|------|------|-----|-----|------|-------|------|-----|-----|
|------------|------|------|------|-----|-----|------|-------|------|-----|-----|

- * 6.8 MPa (986 PSI), 24h
- ** 13.7 MPa (1987PSI), 24h



These tables list a generally accepted summary of properties that we believe to be reliable. Please note that many of these resins are produced in several varieties and property characteristics may vary. Therefore, determination of resin is dependent on the application and this table is only meant to serve as a general guideline.

High Performance Thermoplastics

| Properties | ASTM | UNIT | PEEK™ | ULTEM® |
|------------|------|------|-------|--------|
|------------|------|------|-------|--------|

Mechanical Properties

| | | | | |
|---|-------|-------------------|---------------|-----------|
| Specific Gravity | D792 | | 1.30-1.32 | 1.27-1.51 |
| Elongation | D638 | % | 20-60 | 60 |
| Tensile Strength | D638 | psi | 14,065-14,500 | 16,500 |
| Flexural Strength | | psi | 24,650 | 20,000 |
| Compressive Strength | D695 | | 17,110 | 22,000 |
| Tensile Elastic Modulus (Young's Modulus) | D638 | psi | 522,000 | 475,000 |
| Flexural Modulus 103 MPa (103kgf/cm2) | D790 | | 594,000 | 500,000 |
| Hardness Durometer | | Shore | D85-D86 | M109 |
| Coefficient of Friction | D1984 | Static | 0.24 | na |
| Abrasion Resistance | Taber | 1000 revs. | na | 10 |
| Impact Strength IZOD 73°F/23°C | D256 | Notched ft/lbs/in | 1.6 | 1.0 |

Thermal Properties

| | | | | |
|---|------|-----------------------------------|-----------|-----------|
| Melting Point | | °C (°F) | 340 (644) | 349 (660) |
| Upper Service Temp. (20,000h) | | °C (°F) | 260 (500) | 200 (392) |
| Flammability | | UL 94 | V-0 | V-0 |
| Thermal Conductivity | C177 | BTU-in/hr.ft²°F | 1.73 | na |
| | | Watts/m°C | na | 0.22 |
| Linear Coefficient of Thermal Expansion | | 10 ⁻⁵ °F ⁻¹ | 2.6 | 3.1 |
| Heat Distortion | | °C (°F) | 152 (306) | na |

Electrical Properties

| | | | | |
|----------------------------|------|------------|------------------------|------------------------|
| Dielectric Constant | D150 | 50HZ-10kHz | 3.20-3.30 | 3.15 |
| Dielectric Strength 10 mil | | v/mil | >500 | na |
| Volume Resistivity | D257 | ohm-cm | 4.9 x 10 ¹⁶ | 6.7 x 10 ¹⁶ |
| Surface Resistivity | | ohm/sq. | 2.0 x 10 ¹⁶ | na |

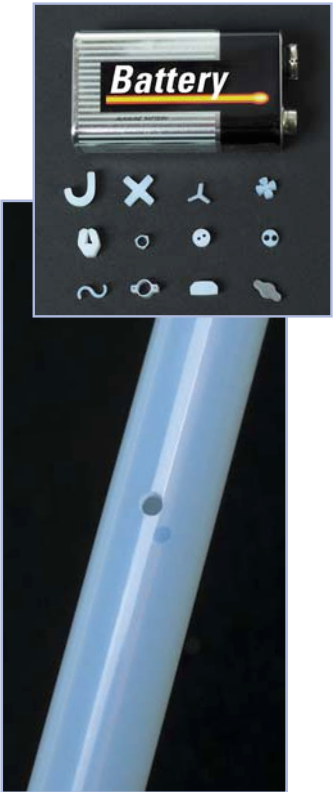
General Properties

| | | | | |
|-----------------------------|-------|---|-----------|------|
| Chemical/Solvent Resistance | | | Excellent | Good |
| Water Absorption, 24h | D570 | % | 0.5 | 0.25 |
| Refractive Index | | | na | 1.46 |
| Limiting Oxygen Index | D2863 | % | 24 | 47 |
| Poisson's Ratio | D638 | | 0.4 | .36 |

| Properties | ASTM | UNIT | PEEK™ | ULTEM® |
|------------|------|------|-------|--------|
|------------|------|------|-------|--------|

TexLoc Advantages:

- Precision Tolerance Tubing
- Customized Product Design and Development
- Application Engineering Services (AES)
- Early Project Involvement
- Rapid Response to R & D
- Product Traceability
- Wide Range of Class VI Materials including PTFE, FEP, PFA, ETFE, ECTFE, MFA, THV, Polyolefin, Peek™ and ULTEM®



PEEK™ (Polyetheretherketone)

Working Temperature: 500°F (260°C)
Color: Light Tan

- Excellent steam resistance
- Excellent chemical resistance
- Excellent strength to weight ratio
- Outstanding wear resistance
- Excellent outgassing characteristics
- Self extinguishing
- Exceptional tensile strength

PEI ULTEM® (Polyetherimide)

Working Temperature: 392°F (200°C)
Color: Transparent amber to opaque color

- Excellent steam resistance
- Excellent chemical resistance
- UV & Gamma resistant
- Exceptional tensile strength



Ultem® is a registered trademark of GE Polymers. Peek™ is a registered trademark of Victrex.

| HEAVY WALL TUBING | | | | | | | | PTFE, FEP & PFA | |
|-------------------|-------|------------------|-------|----------------|--------|-------|--------|-----------------|-------|
| SIZE | | | | WALL THICKNESS | | | | APPX. WEIGHT | |
| INSIDE DIAMETER | | OUTSIDE DIAMETER | | | | | | | |
| INCH | MM | INCH | MM | INCHES | + or - | MM | + or - | LB/FT | KG/M |
| 1/32 | .79 | 1/16 | 1.58 | .015 | .003 | .381 | .076 | .0028 | .0042 |
| 1/32 | .79 | 3/32 | 2.38 | .030 | .005 | .762 | .127 | .0075 | .0112 |
| 1/16 | 1.58 | 1/8 | 3.18 | .030 | .005 | .762 | .127 | .0108 | .0161 |
| 3/32 | 2.38 | 5/32 | 3.97 | .030 | .005 | .762 | .127 | .0151 | .0225 |
| 1/8 | 3.18 | 3/16 | 4.76 | .030 | .005 | .762 | .127 | .0182 | .0271 |
| 3/16 | 4.76 | 1/4 | 6.35 | .030 | .005 | .762 | .127 | .0252 | .0375 |
| 1/4 | 6.35 | 5/16 | 7.94 | .030 | .005 | .762 | .127 | .0336 | .0499 |
| 5/16 | 7.94 | 3/8 | 9.53 | .030 | .005 | .762 | .127 | .0396 | .0589 |
| 3/8 | 9.53 | 7/16 | 11.11 | .030 | .005 | .762 | .127 | .0469 | .0698 |
| 7/16 | 11.11 | 1/2 | 12.70 | .030 | .005 | .762 | .127 | .0542 | .0806 |
| 1/2 | 12.70 | 9/16 | 14.29 | .030 | .005 | .762 | .127 | .0614 | .0914 |
| 9/16 | 14.29 | 5/8 | 15.88 | .030 | .007 | .762 | .178 | .0686 | .1020 |
| 5/8 | 15.88 | 11/16 | 17.46 | .030 | .007 | .762 | .178 | .0771 | .1147 |
| 11/16 | 17.46 | 3/4 | 19.05 | .030 | .007 | .762 | .178 | .0830 | .1235 |
| 3/4 | 19.05 | .830 | 21.08 | .040 | .007 | 1.020 | .178 | .1220 | .1815 |
| 7/8 | 22.23 | .965 | 24.51 | .045 | .007 | 1.140 | .178 | .1615 | .2403 |
| 1 | 25.40 | 1.100 | 27.94 | .045 | .007 | 1.140 | .178 | .1815 | .2701 |
| 1 1/8 | 28.58 | 1.215 | 30.86 | .045 | .007 | 1.140 | .178 | .2032 | .3023 |
| 1 1/4 | 31.75 | 1.340 | 34.04 | .045 | .007 | 1.140 | .178 | .2250 | .3348 |
| 1 1/2 | 38.10 | 1.600 | 40.64 | .050 | .007 | 1.270 | .178 | .2992 | .4452 |
| 2 | 50.80 | 2.100 | 53.34 | .050 | .010 | 1.270 | .254 | .3957 | .5888 |

| STANDARD O.D. SIZES | | | | | | | | | |
|---------------------|-------|-----------------|-------|----------------|--------|-------|--------|--------------|-------|
| OUTSIDE DIAMETER | | INSIDE DIAMETER | | WALL THICKNESS | | | | APPX. WEIGHT | |
| INCH | MM | INCH | MM | INCHES | + or - | MM | + or - | LB/FT | KG/M |
| 1/4 | 6.35 | .170 | 4.32 | .040 | .003 | 1.020 | .076 | .0324 | .0482 |
| 1/4 | 6.35 | .156 | 3.96 | .047 | .003 | 1.194 | .076 | .0368 | .0548 |
| 3/8 | 9.53 | .295 | 7.49 | .040 | .005 | 1.020 | .127 | .0517 | .0769 |
| 1/2 | 12.70 | .420 | 10.67 | .040 | .006 | 1.020 | .152 | .0710 | .1056 |

| EXTRA HEAVY WALL TUBING | | | | | | | | PTFE, FEP & PFA | |
|-------------------------|-------|------------------|--------|----------------|--------|------|--------|-----------------|-------|
| SIZE | | | | WALL THICKNESS | | | | APPX. WEIGHT | |
| INSIDE DIAMETER | | OUTSIDE DIAMETER | | | | | | | |
| INCH | MM | INCH | MM | INCHES | + or - | MM | + or - | LB/FT | KG/M |
| 1/8 | 3.18 | 1/4 | 6.35 | .062 | .008 | 1.57 | .203 | .045 | .067 |
| 3/16 | 4.76 | 5/16 | 7.94 | .062 | .008 | 1.57 | .203 | .063 | .094 |
| 1/4 | 6.35 | 3/8 | 9.53 | .062 | .008 | 1.57 | .203 | .075 | .112 |
| 5/16 | 7.94 | 7/16 | 11.11 | .062 | .008 | 1.57 | .203 | .091 | .135 |
| 3/8 | 9.53 | 1/2 | 12.70 | .062 | .008 | 1.57 | .203 | .106 | .158 |
| 7/16 | 11.11 | 9/16 | 14.29 | .062 | .008 | 1.57 | .203 | .121 | .180 |
| 1/2 | 12.70 | 5/8 | 15.88 | .062 | .008 | 1.57 | .203 | .136 | .202 |
| 9/16 | 14.29 | 11/16 | 17.46 | .062 | .008 | 1.57 | .203 | .151 | .225 |
| 5/8 | 15.88 | 3/4 | 19.05 | .062 | .008 | 1.57 | .203 | .166 | .247 |
| 11/16 | 17.46 | 13/16 | 20.64 | .062 | .008 | 1.57 | .203 | .181 | .269 |
| 3/4 | 19.05 | 7/8 | 22.23 | .062 | .008 | 1.57 | .203 | .194 | .289 |
| 13/16 | 20.64 | 15/16 | 23.81 | .062 | .008 | 1.57 | .203 | .211 | .314 |
| 7/8 | 22.23 | 1.0 | 25.40 | .062 | .008 | 1.57 | .203 | .228 | .339 |
| 1 | 25.40 | 1 1/8 | 28.58 | .062 | .008 | 1.57 | .203 | .275 | .409 |
| 1 1/4 | 31.75 | 1 3/8 | 34.93 | .062 | .008 | 1.57 | .203 | .317 | .472 |
| 1 1/2 | 38.10 | 1 5/8 | 41.28 | .062 | .008 | 1.57 | .203 | .377 | .561 |
| 2 | 50.80 | 2 1/8 | 53.98 | .062 | .008 | 1.57 | .203 | .494 | .735 |
| 2.376 | 60.35 | 2 1/2 | 63.50 | .062 | .008 | 1.57 | .203 | .584 | .868 |
| 2.876 | 73.05 | 3 | 76.20 | .062 | .008 | 1.57 | .203 | .703 | 1.046 |
| 3.860 | 98.04 | 4 | 101.60 | .070 | .008 | 1.78 | .203 | 1.062 | 1.580 |

| PTFE | | |
|-----------------------|---------------|--|
| Meets Specifications: | ASTM-D3295 | Dielectric Strength: ≥1400 V/M* |
| Continuous Use | -100 to 500°F | Color: Natural |
| Temperature Range: | -075 to 260°C | *Per ASTM D 149 Short Term Test of 10 MIL Thickness, (Volts/Mil) |

| FEP | | |
|-----------------------|---------------------|--|
| Meets Specifications: | L-P-387A SPI-FD-111 | Dielectric Strength: ≥1400 V/M* |
| Continuous Use | -100 to 400°F | Color: Natural |
| Temperature Range: | -075 to 204°C | *Per ASTM D 149 Short Term Test of 10 MIL Thickness, (Volts/Mil) |

| PFA | | |
|--|---------------|---------------------------------|
| Continuous Use | -100 to 500°F | Dielectric Strength: ≥1400 V/M* |
| Temperature Range: | -075 to 260°C | Color: Natural |
| *Per ASTM D 149 Short Term Test of 10 MIL Thickness, (Volts/Mil) | | |

Design Prototyping

Application Engineering Services (AES)



Additional Services

On-Site Material Science Services

- Failure & Resin Analysis

Differential Scanning Calorimeter (DSC)

Instron (Tensile & Elongation Testing)

Specific Gravity Index

Extrusion Plastometer (Melt Flow Index)

Application Engineering Services (AES)
- Microscopy

Goniometer (Contact Angle Tester)

Laser Micrometers

Ultrasonics

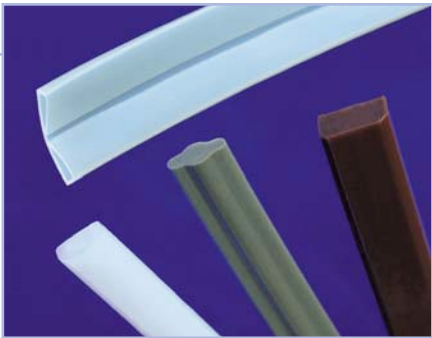
Vacuum Pressure Testing

Class 10,000 Clean room

SPC Retention

Certifications

- USP Class VI Certifications
- Mil Spec Certifications
- Material Certifications



Key Benefits

- Shortest Deliveries in the Industry
- Large In-Stock Inventories
- Diversity of Materials, Processes and Sizes
- Individualized Service
- In-House Value Added Department
- Free Engineering Assistance
- On-Site Testing

— Typical Applications —

- Wire & Cable

• Paint System Linings

• Fluid Transfer Systems

• Hoses

• Electrical Insulation

• Harnesses

• Heat Exchangers

• Pump Bladders

• Exit Tubes

• Electrical Conduit

• Hose & Chafe Guards
- Products For Wet Bench OEMs, CMP Systems, PVD and CVD

Markets

- Environmental and Water Sampling

• Automotive and Marine

• Chemical Processing

• Food and Beverage

• Petroleum

• Medical & Pharmaceutical

• Semiconductor

• Aerospace

• Electronics

Size Capabilities

Smooth Bore Tubing

.002" ID – 7" ID

.001" Wall - .200" Wall

Heat Shrinkable Tubing

.011" Expanded ID up to

12" Expanded ID

Convolutud Tubing

1/8" ID – 4" ID

Corrugated Tubing

3/16" ID – 2 1/2" ID

Special Sizes Quoted Upon Request

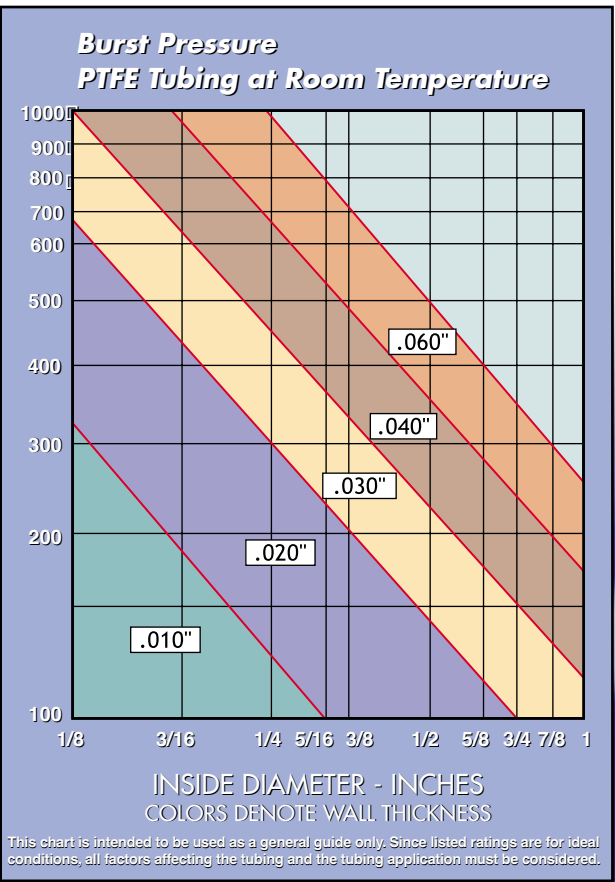
Custom Sizes Available On Request

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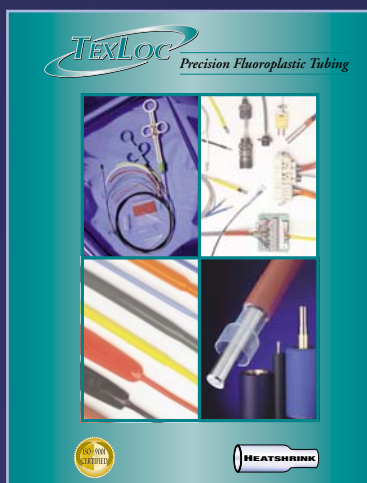
Diversity in Product, Size and Material



BURST AT ROOM TEMPERATURE



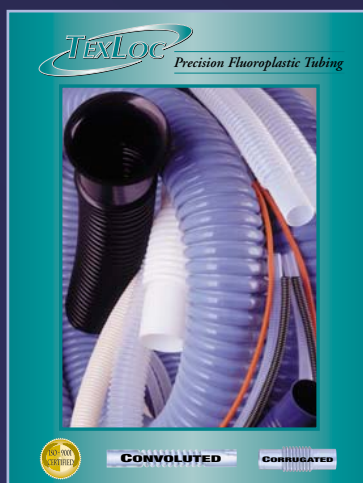
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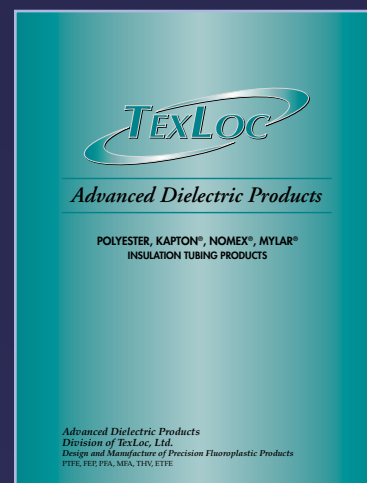
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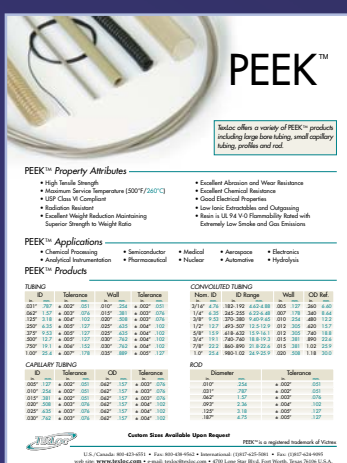
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