

Industrial Wall Tubing

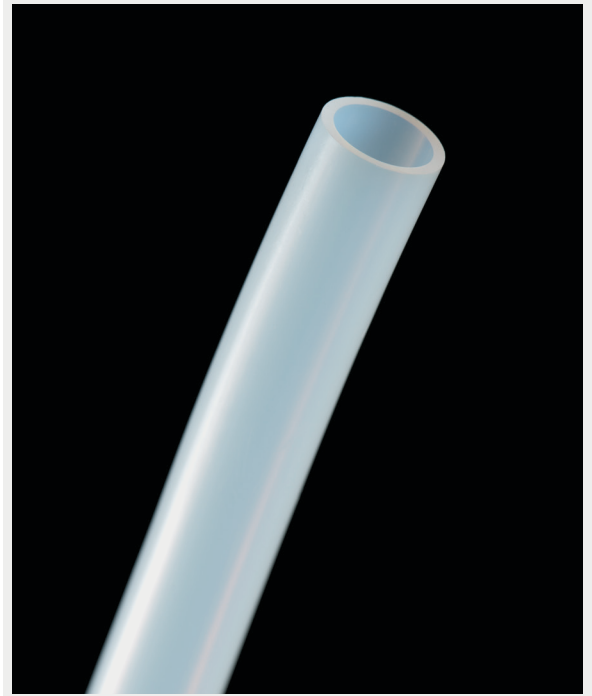
PTFE, FEP, PFA, and ETFE Tubing

Overview-

As the world's leader in polymer extrusions, Zeus provides advanced extruded tubing for various industries, including medical, aerospace, electrical, fiber optics, oil and gas, and more. From lubricity and flexibility to mechanical strength, chemical resistance, and more, our tubing products are an ideal choice for a wide variety of applications.

Zeus offers standard industrial wall sizing in various high-performance resins, including PTFE, FEP, PFA, and ETFE. Our industrial wall tubing products are available in a range of sizes and wall thicknesses to meet the needs of multiple industry applications.

Our industrial wall tubing is supplied in natural color unless otherwise specified. Custom colors are available on request.



Request a sample of our industrial wall tubing by contacting a sales representative today.

APPLICATIONS

- Aerospace
- Energy
- Oil & Gas
- Fiber Optics
- Fluid Management
- Medical

CAPABILITIES AND SIZING

- Available resins include: PTFE, FEP, PFA, and ETFE
- Fractional sizes 1/32" - 1-1/2" (0.78 mm - 38.10 mm)
- Tolerances low as $\pm 0.004"$ (± 0.10 mm)

KEY PROPERTIES

- Resin-dependent temperatures up to 500 °F / 260 °C
- Chemical resistance
- Lubricity, optical clarity, and flexibility vary, depending on resin



COEFFICIENT OF FRICTION



CHEMICAL RESISTANCE



CONTINUOUS SERVICE TEMP



Industrial Wall Tubing

| DIMENSIONS (INCHES) | | | |
|----------------------|-----------------------------|------------------------------|-------------------------------|
| FRACTIONAL SIZE (OD) | INSIDE DIAMETER (ID) in. | OUTSIDE DIAMETER (OD) in. | NOMINAL WALL THICKNESS in. |
| 1/32 | 0.031 ± 0.004 | 0.063 ± 0.004 | 0.015 |
| 1/16 | 0.063 ± 0.005 | 0.125 ± 0.005 | 0.030 |
| 3/32 | 0.094 ± 0.005 | 0.156 ± 0.005 | 0.030 |
| 1/8 | 0.125 ± 0.005 | 0.188 ± 0.005 | 0.030 |
| 3/16 | 0.188 ± 0.005 | 0.250 ± 0.005 | 0.030 |
| 1/4 | 0.250 ± 0.005 | 0.313 ± 0.005 | 0.030 |
| 5/16 | 0.313 ± 0.005 | 0.375 ± 0.005 | 0.030 |
| 3/8 | 0.375 ± 0.005 | 0.438 ± 0.005 | 0.030 |
| 7/16 | 0.438 ± 0.005 | 0.500 ± 0.006 | 0.030 |
| 1/2 | 0.500 ± 0.006 | 0.563 ± 0.006 | 0.030 |
| 9/16 | 0.563 ± 0.006 | 0.625 ± 0.006 | 0.030 |
| 5/8 | 0.625 ± 0.006 | 0.688 ± 0.006 | 0.030 |
| 11/16 | 0.688 ± 0.006 | 0.750 ± 0.006 | 0.032 |
| 3/4 | 0.750 ± 0.006 | 0.830 ± 0.006 | 0.040 |
| 7/8 | 0.875 ± 0.006 | 0.965 ± 0.006 | 0.045 |
| 1 | 1.000 ± 0.010 | 1.100 ± 0.010 | 0.050 |
| 1-1/8 | 1.125 ± 0.015 | 1.215 ± 0.015 | 0.045 |
| 1-1/4 | 1.250 ± 0.015 | 1.340 ± 0.015 | 0.045 |
| 1-1/2 | 1.500 ± 0.015 | 1.580 ± 0.015 | 0.040 |

| DIMENSIONS (mm) | | | |
|----------------------|----------------------------|-----------------------------|------------------------------|
| FRACTIONAL SIZE (OD) | INSIDE DIAMETER (ID) mm | OUTSIDE DIAMETER (OD) mm | NOMINAL WALL THICKNESS mm |
| 1/32 | 0.79 ± 0.10 | 1.60 ± 0.10 | 0.38 |
| 1/16 | 1.60 ± 0.13 | 3.18 ± 0.13 | 0.76 |
| 3/32 | 2.39 ± 0.13 | 3.96 ± 0.13 | 0.76 |
| 1/8 | 3.18 ± 0.13 | 4.78 ± 0.13 | 0.76 |
| 3/16 | 4.78 ± 0.13 | 6.35 ± 0.13 | 0.76 |
| 1/4 | 6.35 ± 0.13 | 7.95 ± 0.13 | 0.76 |
| 5/16 | 7.95 ± 0.13 | 9.53 ± 0.13 | 0.76 |
| 3/8 | 9.53 ± 0.13 | 11.13 ± 0.13 | 0.76 |
| 7/16 | 11.13 ± 0.13 | 12.70 ± 0.15 | 0.76 |
| 1/2 | 12.70 ± 0.15 | 14.30 ± 0.15 | 0.76 |
| 9/16 | 14.30 ± 0.15 | 15.88 ± 0.15 | 0.76 |
| 5/8 | 15.88 ± 0.15 | 17.48 ± 0.15 | 0.76 |
| 11/16 | 17.48 ± 0.15 | 19.05 ± 0.15 | 0.81 |
| 3/4 | 19.05 ± 0.15 | 21.08 ± 0.15 | 1.02 |
| 7/8 | 22.23 ± 0.15 | 24.51 ± 0.15 | 1.14 |
| 1 | 25.40 ± 0.25 | 27.94 ± 0.25 | 1.27 |
| 1-1/8 | 28.58 ± 0.38 | 30.86 ± 0.38 | 1.14 |
| 1-1/4 | 31.75 ± 0.38 | 34.04 ± 0.38 | 1.14 |
| 1-1/2 | 38.10 ± 0.38 | 40.13 ± 0.38 | 1.02 |

