



Polyethylene Tubing

Poly tubing can be used for a wide range of liquid, gas, and fluid transfer applications. Poly tubing is flexible, lightweight, durable and corrosion resistant.

TUBING SPECIFICATIONS

| Material | ID x OD: in. (mm) | Wall Thickness: in. (mm) | Working Pressure @ 70°F: psi (bar) | Max. Pressure: psi (bar) | *Maximum Depth: ft. (m) | Precut Lengths: ft. (m) | Minimum Bend Radius: in. (mm) | Min. Operation Temperature: °F (°C) | Max. Operating Temperature: °F (°C) |
|-------------------------------------|----------------------|--------------------------------|--|--------------------------------|-------------------------------|---|-------------------------------------|---|---|
| Polyethylene (LDPE) | .17 x ¼ (4 x 6) | 0.04 (1) | 200 (14) | 400 (28) | 400-800 (120-240) | 100, 500, 1000 (30, 150, 300) | 1 (25) | -100 (-73) | 175 (79) |
| | ¼ x ⅜ (6 x 10) | 0.0625 (1.6) | 160 (11) | 350 (24) | 350-700 (106-212) | 100, 500, 1000 (30, 150, 300) | 1.25 (32) | | |
| | ⅜ x ½ (10 x 13) | 0.0625 (1.6) | 140 (10) | 280 (19) | 280-560 (85-170) | 100, 500 (30, 150) | 1.75 (45) | | |
| | ½ x ⅝ (13 x 17) | 0.0625 (1.6) | 120 (8) | 240 (16) | 240-480 (73-146) | 100, 500 (30, 150) | 2.5 (64) | | |
| High Density Polyethylene (HDPE) | .17 x ¼ (4 x 6) | 0.04 (1) | 300 (21) | 600 (41) | 600-1000* (180-270) | 100, 200, 500 (30, 60, 150) | 1.5 (38) | -50 (-45) | 140 (60) |
| | ¼ x ⅜ (6 x 10) | 0.0625 (1.6) | 300 (21) | 600 (41) | 600-1000* (180-270) | 100, 200, 500 (30, 60, 150) | 2.5 (64) | | |
| | ⅜ x ½ (10 x 13) | 0.0625 (1.6) | 200 (14) | 400 (28) | 400-800 (120-240) | 100, 200, 500 (30, 60, 150) | 3.75 (95) | | |
| | ½ x ⅝ (13 x 17) | 0.0625 (1.6) | 150 (10) | 300 (21) | 300-600 (91-183) | 100, 200, 300, 500 (30, 60, 90, 150) | 4.5 (114) | | |
| | .810 x 1.0 (21 x 25) | 0.095 (2) | 140 (10) | 280 (19) | 280-560 (85-170) | 100, 200, 300 (30, 60, 90) | 6 (152) | | |
| FEP Lined Polyethylene | .17 x ¼ (4 x 6) | 0.04 (1) | 80 (6) | 160 (11) | 160-320 (49-98) | 500 (150) | 1.5 (38) | -25 (-32) | 180 (82) |
| | ¼ x ⅜ (6 x 10) | 0.0625 (1.6) | 55 (4) | 110 (8) | 110-220 (34-67) | 500 (150) | 2 (51) | | |
| | ⅜ x ½ (10 x 13) | 0.0625 (1.6) | 45 (3.1) | 95 (6.5) | 110-220 (34-67) | 500 (150) | 4 (101) | | |
| | ½ x ⅝ (13 x 17) | 0.0625 (1.6) | 40 (3) | 80 (6) | 80-160 (24-49) | 500, 1000 (150, 300) | 6 (152) | | |

*Based on maximum pump depth deployment/precut lengths.

BONDED TUBING SPECIFICATIONS

Tubing Materials

Sizes



Bonded Polyethylene + Polyethylene
Available in LDPE or HDPE material

.170" x ¼" + .170" x ¼"
.170" x ¼" + ¼" x ⅜"
¼" x ⅜" + ¼" x ⅜"
¼" x ⅜" + ⅜" x ½"

Bonded FEP Lined Polyethylene + Polyethylene

¼" x ⅜" + ¼" x ⅜"
¼" x ⅜" + ⅜" x ½"

Refer to the first page table for tubing specifications.

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Polyethylene Tubing

TUBING SIZE GUIDE



.170" ID x ¼" OD



¼" ID x ⅜" OD



⅜" ID x ½" OD



½" ID x ⅝" OD