

**PVC Reinforced and Braided Tubing**

- Hardness: Shore A73
- Clear color

To see standards for a product, go to Grainger.com and search for the item number.

**PVC Reinforced**—Braided, flexible tubing is designed for use in potable water transfer lines, air and water lines, and dairy processing. It helps to resist abrasion, wear and corrosion.

- Temp. range: 25° to 150°F

**PVC with Spiraled Polyester Yarn Braided**—Designed for use in potable water transfer lines, air and water lines, and dairy processing.

- Temp. range: 25° to 150°F

**PVC with Wire Helix and Yarn Reinforced**—For vacuum and/or higher-pressure applications. Steel wire dissipates static; yarn reinforcement allows higher working pressure.

- Temp. range: 15° to 150°F

**PVC with Wire Helix Reinforced**—Spiral wire reinforcement prevents kinking and collapsing; maintains full vacuum ratings.

- Temp. range: 25° to 150°F



**4HM05**

Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure*	Tube Bend Radius	50 ft L Item No.	100 ft L Item No.
<b>PVC Reinforced Tubing</b>						
1 1/2"	1 15/16"	3/4"	100 psi @ 70°F	6"	2LZD8	—
10 mm	16 mm	2.5 mm	225 psi @ 70°F	2 1/2"	—	2LZE7
12 mm	18 mm	3 mm	200 psi @ 70°F	3"	—	2LZE8
19 mm	26 mm	3.5 mm	150 psi @ 70°F	4"	—	2LZE9
2"	2 1/2"	3/4"	75 psi @ 70°F	8"	2LZD9	—
6 mm	11 mm	2.5 mm	250 psi @ 70°F	1 1/2"	—	2LZE5
8 mm	13.5 mm	2.7 mm	250 psi @ 70°F	2"	—	2LZE6
<b>PVC with Spiraled Polyester Yarn Braided Tubing</b>						
1/4"	1/16"	3/32"	250 psi @ 70°F	1 1/2"	—	4HM03
5/16"	1/8"	3/32"	250 psi @ 70°F	3/4"	—	1PBK7
3/8"	19/32"	3/32"	225 psi @ 70°F	2"	—	4HM04
1/2"	3/4"	1/8"	200 psi @ 70°F	2 1/2"	—	4HM05
5/8"	7/8"	1/8"	200 psi @ 70°F	1 1/4"	—	1PBK8
3/4"	1 1/32"	1/8"	150 psi @ 70°F	3"	—	4HM06
1"	1 19/64"	1/8"	125 psi @ 70°F	4"	—	4HM07
1 1/4"	1 3/8"	3/32"	125 psi @ 70°F	1 1/2"	—	1PBK9
1 1/2"	1 15/16"	1/32"	100 psi @ 70°F	1 3/4"	—	1PB11

Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure*	Tube Bend Radius	50 ft L Item No.	100 ft L Item No.
<b>PVC with Wire Helix and Yarn Reinforced Tubing</b>						
1/2"	29/32"	3/16"	250 psi @ 70°F	2"	—	4EGR3
3/4"	1 1/16"	3/16"	225 psi @ 70°F	2 1/2"	—	4EGR4
1"	1 29/64"	1/32"	225 psi @ 70°F	3 1/2"	—	4EGR5
1 1/4"	1 3/4"	1/4"	175 psi @ 70°F	4 1/2"	—	4EGR6
1 1/2"	2"	1/4"	175 psi @ 70°F	5 1/2"	—	4EGR7
2"	2 39/64"	1/4"	150 psi @ 70°F	7"	—	4EGR8
<b>PVC with Wire Helix Reinforced Tubing</b>						
1/4"	15/32"	3/32"	150 psi @ 70°F	2"	—	1PBL2
3/8"	39/64"	1/8"	100 psi @ 70°F	2 1/2"	—	1PBL3
1/2"	3/4"	1/8"	100 psi @ 70°F	3"	—	1PBL4
3/4"	1 1/32"	1/8"	70 psi @ 70°F	4"	—	1PBL5
1"	1 19/64"	1/8"	70 psi @ 70°F	1/4"	—	1PBL6
1 1/4"	1 39/64"	3/16"	70 psi @ 70°F	5"	2LZE1	—
1 1/2"	1 7/8"	3/16"	50 psi @ 70°F	6"	2LZE2	—
2"	2 3/8"	3/16"	50 psi @ 70°F	8"	2LZE3	—

\* Working pressure decreases as temperature increases. † UV-resistant.

**Tygon S3 E-3603 Lab Tubing**

- Temp. range: -51° to 165°F
- Hardness: Shore A56
- Clear color

Features excellent chemical resistance and smooth, polished inner wall construction to ease cleaning. Less permeable than rubber tubing and contains no BPA or phthalates. For use with desiccators, incubators, and as gas and drain lines in general laboratory, beverage, and food applications. EU Food Contact regulation. Meets FDA, Class IV, and NSF 51. Additional sizes available on Grainger.com.



Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure*	Tube Length	Item No.
<b>Standard</b>					
1/32 in	3/32 in	1/32 in	69 psi	50 ft	22XH28
1/16 in	1/8 in	1/32 in	36 psi	50 ft	22XH29
3/32 in	1/2 in	1/32 in	25 psi	50 ft	22XH31
1/8 in	1/2 in	1/16 in	47 psi	50 ft	22XH33
1/4 in	3/4 in	1/16 in	36 psi	100 ft	22XH34
1/2 in	5/8 in	1/16 in	45 psi	10 ft	22XH73
5/8 in	3/2 in	1/16 in	30 psi	50 ft	22XH36
3/4 in	3/2 in	1/16 in	30 psi	100 ft	22XH37
7/8 in	3/2 in	1/16 in	25 psi	100 ft	22XH38
1 in	3/2 in	1/16 in	30 psi	100 ft	22XH74
1 1/8 in	3/2 in	1/16 in	36 psi	50 ft	22XH39
1 1/4 in	3/2 in	1/16 in	20 psi	100 ft	22XH40
1 1/2 in	3/2 in	1/16 in	25 psi	10 ft	22XH75
1 3/4 in	3/2 in	1/16 in	36 psi	100 ft	22XH41
2 in	3/2 in	1/16 in	40 psi	10 ft	22XH76
2 1/4 in	3/2 in	1/16 in	36 psi	50 ft	22XH42
2 1/2 in	3/2 in	1/16 in	20 psi	10 ft	22XH77
2 3/4 in	3/2 in	1/16 in	47 psi	50 ft	22XH68
3 in	3/2 in	1/16 in	50 psi	10 ft	22XH83
3 1/2 in	3/2 in	1/16 in	10 psi	10 ft	22XH78
4 in	3/2 in	1/16 in	15 psi	100 ft	22XH45
4 1/2 in	3/2 in	1/16 in	24 psi	50 ft	22XH46
5 in	3/2 in	1/16 in	45 psi	50 ft	22XH69
5 1/2 in	3/2 in	1/16 in	14 psi	50 ft	22XH47
6 in	3/2 in	1/16 in	18 psi	50 ft	22XH48
6 1/2 in	3/2 in	1/16 in	12 psi	50 ft	22XH50
7 in	1 in	3/32 in	18 psi	10 ft	22XH79
7 1/2 in	1 1/16 in	3/32 in	17 psi	50 ft	22XH51
8 in	1 1/8 in	3/16 in	20 psi	50 ft	22XH52
8 1/2 in	1 1/8 in	1/8 in	13 psi	50 ft	22XH54
9 in	1 1/2 in	1/8 in	10 psi	50 ft	22XH59
9 1/2 in	1 1/2 in	1/8 in	15 psi	10 ft	22XH80
10 in	1 1/2 in	3/16 in	14 psi	50 ft	22XH58
10 1/2 in	1 3/8 in	3/16 in	16 psi	50 ft	22XH56
11 in	1 1/2 in	1/4 in	20 psi	50 ft	22XH57
11 1/2 in	2 in	1/4 in	14 psi	50 ft	22XH62
<b>Metric</b>					
2 mm	4 mm	1 mm	2.5 psi	49 ft	22XH86
3 mm	5 mm	1 mm	1.7 psi	49 ft	22XH87
4 mm	6 mm	1 mm	1.4 psi	49 ft	22XH88
5 mm	8 mm	1.5 mm	1.6 psi	49 ft	22XH89
6 mm	9 mm	1.5 mm	1.4 psi	49 ft	22XH90
8 mm	12 mm	2 mm	25 psi @ 73°F	49 ft	22XH91

\* Working pressure decreases as temperature increases.

**Laboratory and Chemical-Resistant PVC Tubing**

- Clear color

FDA Approved; meets CFR 21 175.300.

**Laboratory**—Highly flexible, high-strength tubing is an excellent alternative to latex and is more cost-effective than silicone. Can be used in peristaltic pumping applications. Withstands autoclaving and repeated gamma sterilization. Ideal for medical devices and laboratory fluid systems, as well as paint, pigment, and soap dispensing.

- Temp. range: -65° to 140°F
- Hardness: Shore A55
- 50-ft. length

**Chemical-Resistant**—Excellent for peristaltic pumping applications and works well with barbed fittings, even with repeated use. Can be autoclaved or gas sterilized. For transferring, draining, and pumping chemicals, food products, and corrosive materials such as bleach.

- Temp. range: -65° to 160°F
- Hardness: Shore A60
- 100-ft. length

Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure*	Item No.
<b>Laboratory</b>				
1/4 in	3/8 in	1/16 in	25 psi	4VUP7
5/16 in	1/2 in	1/16 in	20 psi	4VUP9
3/8 in	1/2 in	1/16 in	20 psi	4VUR2
1/2 in	5/8 in	1/16 in	10 psi	4VUR7
1/2 in	3/4 in	1/16 in	25 psi	4VUR8
5/8 in	1/2 in	1/16 in	20 psi	4VUR9
1 in	1 1/4 in	1/16 in	25 psi	4VUT2
<b>Chemical Resistant</b>				
1/8 in	1/4 in	1/16 in	62 psi	4VUU8
3/16 in	3/8 in	1/16 in	45 psi	4VUV2
1/4 in	3/8 in	1/16 in	36 psi	4VUV4
1/4 in	1/2 in	3/32 in	49 psi	4VUV5
3/8 in	1/2 in	1/16 in	26 psi	4VUV8
3/8 in	5/8 in	3/32 in	36 psi	4VUW1
3/8 in	5/8 in	1/8 in	45 psi	4VUW2
1/2 in	5/8 in	1/16 in	20 psi	4VUW4
1/2 in	3/4 in	1/8 in	36 psi	4VUW5
5/8 in	1/2 in	1/8 in	30 psi	4VUW6
3/4 in	1 in	1/8 in	26 psi	4VUW7
1 in	1 1/4 in	1/8 in	20 psi	4VUW8
1 in	1 3/8 in	3/16 in	28 psi	4VUW9
1 in	1 1/2 in	1/4 in	36 psi	4VUX1
1 1/4 in	1 9/8 in	3/16 in	24 psi	4VUX2
1 1/2 in	2 in	1/4 in	26 psi	4VUX3
2 in	2 1/2 in	1/4 in	20 psi	4VUX4

\* Working pressure decreases as temperature increases.

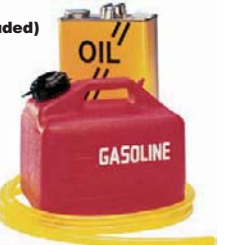
(Containers not included)



**Tygon F-4040-A Fuel and Lubricant Tubing**

- Max. temp.: 165°F
- Hardness: Shore A57
- Yellow color
- 50-ft. length

Handles most fuels and industrial lubricants; resists hardening and swelling caused by hydrocarbon-based fluids. Tubing is highly flexible and easy to install.



Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure	Item No.
1/16 in	1/8 in	1/16 in	40 psi	12X199
3/32 in	1/8 in	3/32 in	50 psi	12X201
1/8 in	1/4 in	1/16 in	50 psi	12X202
3/16 in	5/16 in	1/16 in	35 psi	12X203
1/4 in	3/8 in	1/16 in	30 psi	12X204
5/16 in	7/16 in	1/16 in	25 psi	12X205
3/8 in	1/2 in	1/16 in	20 psi	12X206
3/8 in	5/8 in	1/16 in	35 psi	12X207
7/16 in	9/16 in	1/16 in	15 psi	12X208
1/2 in	5/8 in	1/16 in	15 psi	12X209
1/2 in	3/4 in	1/8 in	30 psi	12X210
5/8 in	7/8 in	1/8 in	25 psi	12X211
3/4 in	1 in	1/8 in	20 psi	12X212

**2DBZ2**



**Versilon 2001 Tubing**

- Temp. range: -108° to 135°F
- Hardness: Shore A69
- 50-ft. length
- Clear color

Plasticizer- and oil-free with low compression set properties of thermoset rubber, but won't dry out and crack. Longer service life with fewer tubing changes and reduced downtime. Superior flex life with peristaltic pumps. Ideal for soap and detergent dispensing, water purification, food contact, and chemical transfer applications. Meets FDA standards for food contact.

Inside Dia.	Outside Dia.	Wall Thickness	Max. Pressure	Item No.
1/16 in	3/16 in	1/16 in	45 psi @ 73 °F	2DBZ2
1/8 in	1/4 in	1/16 in	30 psi @ 73 °F	2DBZ4
3/16 in	5/16 in	1/16 in	22 psi @ 73 °F	2DBZ6
1/4 in	3/8 in	1/16 in	17 psi @ 73 °F	2DBZ8
5/16 in	7/16 in	1/16 in	14 psi @ 73 °F	2DCA1
3/8 in	1/2 in	1/16 in	12 psi @ 73 °F	2DCA3
1/2 in	3/4 in	1/8 in	16 psi @ 73 °F	2DCA5
5/8 in	7/8 in	1/8 in	13 psi @ 73 °F	2DCA7
3/4 in	1 in	1/8 in	11 psi @ 73 °F	2DCA9
1 in	1 3/8 in	3/16 in	13 psi @ 73 °F	2DCA2