

Thermo Scientific™ Nalgene™ DEHP-Free PVC Tubing

Made from high-quality resins and plasticizers, this DEHP-free PVC tubing is ideal for use in a wide range of pharmaceutical, research, and general laboratory applications. Tubing resists hardening and discoloration while exhibiting dimensional stability when exposed to various laboratory chemicals. Tubing ID and regulatory compliance markings make for easy tubing identification.

Vacuum tubing features thick walls which can withstand a full vacuum of 760 mm Hg (29.9" Hg) at room temperature.



CERTIFICATION

FDA 21 CFR and USP VI compliant

APPLICATIONS

- Perfect for use in peristaltic pumps, analytical instruments, incubators, and vacuum lines
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Ortho-phthalate-free PVC tubing does not impart odor or taste
- Equivalent to Tygon™ E-3603 tubing
- Tubing sterilized via autoclave, ethylene oxide gas, or chemical sterilization
- Maximum operating temperature range of 71 °C (160 °F)
- Flexible tubing with a 60 Shore A durometer
- Clear tubing—perfect for easily viewing your sample
- Resists hardening and discoloration from a wide range of chemicals
- Free technical application support available to assist with tubing selection

USA	+1.800.323.4340
	+1.847.549.7600
Canada	+1.800.363.5900
China	86.21.5109.9909
India	+1.800.266.1244

UK	+44 (0) 1480.272279
	+33 (0) 1.87.170142*
	+49 (0) 937.792030*
Italy	+39.02.84349215
All others	+1.847.549.7600

Specification and Ordering Table

Dimensions: in. (mm)			Max psi at 73 °F (Bar at 23 °F)	Bend Radius: in. (mm)	Item Number	Reel Length
Tubing ID	Tubing OD	Wall Thickness				
1/8" (3.2)	3/16" (4.8)	1/32" (0.8)	30 (2.7)	0.75" (19.1)	50141-45	50 ft
1/8" (3.2)	1/4" (6.4)	1/16" (1.6)	50 (3.4)	1" (25.4)	22050-73	50 ft
3/16" (4.8)	5/16" (8)	1/16" (1.6)	36 (2.5)	1.25" (31.8)	22050-74	50 ft
1/4" (6.4)	3/8" (9.5)	1/16" (1.6)	30 (2.7)	1.5" (38.1)	50141-46	50 ft
1/4" (6.4)	7/16" (11)	3/32" (2.4)	40 (2.8)	1.75" (44.5)	50141-47	50 ft
1/4" (6.4)	1/2" (12.7)	1/8" (3.2)	46 (3.2)	2" (50.8)	50141-48	50 ft
5/16" (8)	7/16" (11)	1/16" (1.6)	28 (1.9)	1.75" (44.5)	50141-49	50 ft
5/16" (8)	1/2" (12.7)	3/32" (2.4)	36 (2.5)	2" (50.8)	50141-50	50 ft
5/16" (8)	9/16" (14.3)	1/8" (3.2)	40 (2.8)	2.25" (57.2)	50141-51	50 ft
3/8" (9.5)	1/2" (12.7)	1/16" (1.6)	22 (1.5)	2" (50.8)	50141-52	50 ft
3/8" (9.5)	9/16" (14.3)	3/32" (2.4)	32 (2.2)	2.25" (57.2)	50141-53	50 ft
3/8" (9.5)	5/8" (15.9)	1/8" (3.2)	40 (2.8)	2.5" (63.5)	50141-54	50 ft
7/16" (11)	5/8" (15.9)	3/32" (2.4)	30 (2.7)	2.5" (63.5)	50141-55	50 ft
1/2" (12.7)	5/8" (15.9)	1/16" (1.6)	20 (1.4)	2.5" (63.5)	50141-56	50 ft
1/2" (12.7)	11/16" (17.5)	3/32" (2.4)	26 (1.8)	2.75" (69.9)	50141-57	50 ft
1/2" (12.7)	3/4" (19.1)	1/8" (3.2)	30 (2.7)	3" (76.2)	50141-58	50 ft
5/8" (15.9)	7/8" (22.2)	1/8" (3.2)	26 (1.8)	3.5" (88.9)	50141-59	50 ft
3/4" (19.1)	1" (25.4)	1/8" (3.2)	22 (1.5)	4" (101.6)	50141-60	50 ft
1" (25.4)	1-1/4" (31.8)	1/8" (3.2)	18 (1.24)	5" (127)	50141-61	50 ft
Metric DEHP-Free PVC Tubing						
0.15625" (4)	0.2756" (7)	0.0591" (1.5)	40 (2.8)	1.102" (28)	50141-66	25 m
0.1969" (5)	0.3125" (8)	0.0591" (1.5)	34 (2.3)	1.2599" (32)	50141-67	25 m
0.2362" (6)	0.3543" (9)	0.0591" (1.5)	32 (2.2)	1.4173" (36)	50141-68	25 m
0.2362" (6)	0.3937" (10)	0.0787" (2)	38 (2.6)	1.5748" (40)	50141-69	25 m
0.2756" (7)	0.3937" (10)	0.0591" (1.5)	28 (1.9)	1.5748" (40)	50141-70	25 m
0.3125" (8)	0.4375" (11)	0.0591" (1.5)	26 (1.8)	1.7323" (44)	50141-71	25 m
0.3125" (8)	0.4724" (12)	0.0787" (2)	32 (2.2)	1.8898" (48)	50141-82	25 m
0.3543" (9)	0.5118" (13)	0.0787" (2)	28 (1.9)	2.0472" (52)	50141-83	25 m
0.3937" (10)	0.551" (14)	0.0787" (2)	26 (1.8)	2.2047" (56)	50141-74	25 m
0.4724" (12)	0.6299" (16)	0.0787" (2)	24 (1.7)	2.5197" (64)	50141-75	25 m
0.5906" (15)	0.7874" (20)	0.0984" (2.5)	26 (1.8)	3.1496" (80)	50141-76	10 m
Vacuum DEHP-Free PVC Tubing						
3/16" (4.8)	9/16" (14.3)	3/16" (4.8)	62 (4.3)	2.125" (53.975)	50141-62	50 ft
1/4" (6.4)	5/8" (15.9)	3/16" (4.8)	56 (3.9)	2.5" (63.5)	50141-63	10 ft
3/8" (9.5)	7/8" (22.2)	1/4" (6.4)	54 (3.7)	3.5" (88.9)	50141-64	10 ft
1/2" (12.7)	1-1/8" (28.6)	5/16" (8)	52 (3.6)	4.5" (114.3)	50141-65	10 ft