

Cole-Parmer®

Cole-Parmer® PVC DEHP-Free, Gamma-Stable Tubing

Specifically designed for cell and gene therapy processes, Cole-Parmer DEHP-free PVC tubing provides unmatched reliability and quality. Superior toxicological and physiochemical profile, gamma stability up to 45 kGy, and compatibility with aseptic welders or sealers, make this tubing perfect for pharmaceutical and bioprocessing environments.



CERTIFICATION

USP Class VI, ISO 10993 (Sections 4 and 5), and RoHS compliant

WARNING: This product is not approved or intended for, and should not be used for, medical, clinical, surgical, or other patient-oriented applications.

APPLICATIONS

- Perfect for cell and gene therapy
- Ideal for general-purpose, laboratory, and single-use applications

FEATURES/BENEFITS

- Compatible with aseptic welding and sealing machines
- Sterilize by gamma irradiation (<45 kGy), ethylene oxide (EtO), and E-beam
- Wide temperature range of -40 to 73.9 °C (-40 to 165 °F)
- Flexible tubing with a 65 Shore A durometer
- Clear tubing—perfect for visual monitoring
- DEHP, phthalates, and BPA free, and animal-derived ingredient free (ADIF)

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

Cole-Parmer®
coleparmer.com

*Inquiries from Germany and France are handled by native speaking experts.

Physical Properties

	ASTM	Units	Typical Value
Density/Specific Gravity	D792	g/cm ³	1.8
Tensile Strength (100% Strain)	D638	MPa	5.31
Tensile Strength (Break)	D638	MPa	15.0
Tensile Elongation (Break)	D638	%	410
Durometer Hardness: 15 sec. operating stand	D2240	Shore A	65
Durometer Hardness: 15 sec. hand held	D2240	Shore A	70

Specification and Ordering Table

Dimensions: in. (mm)			Working Pressure: psi (bar)	Max Vacuum: in Hg (mm Hg)	Bend Radius: in. (mm)	Item Number	Length (ft)
Tubing ID	Tubing OD	Wall					
1/16" (1.6)	1/8" (3.2)	1/32" (0.8)	55 (3.8)	29.5 (749.3)	1/4" (6.4)	50142-96	100
1/8" (3.2)	1/4" (6.4)	1/16" (1.6)	55 (3.8)	29.5 (749.3)	3/8" (9.5)	50142-97	100
3/16" (4.8)	5/16" (8)	1/16" (1.6)	40 (2.8)	29.5 (749.3)	5/8" (15.9)	50142-98	50
3/16" (4.8)	7/16" (11)	1/8" (3.2)	70 (4.8)	29.5 (749.3)	3/4" (19.1)	50142-99	50
1/4" (6.4)	3/8" (9.5)	1/16" (1.6)	30 (2)	25 (635)	1" (25.4)	50143-00	50
1/4" (6.4)	7/16" (11)	3/32" (2.4)	45 (3.1)	29.5 (749.3)	3/4" (19.1)	50143-01	50
1/4" (6.4)	1/2" (12.7)	1/8" (3.2)	55 (3.8)	29.5 (749.3)	5/8" (15.9)	50143-02	50
5/16" (8)	7/16" (11)	1/16" (1.6)	25 (1.7)	15 (381)	1-3/8" (35)	50143-03	50
3/8" (9.5)	9/16" (14.3)	3/32" (2.4)	30 (2)	25 (635)	1-3/8" (35)	50143-04	50
3/8" (9.5)	5/8" (15.9)	1/8" (3.2)	40 (2.8)	29.5 (749.3)	1-1/8" (28.6)	50143-05	50
1/2" (12.7)	3/4" (19.1)	1/8" (3.2)	30 (2)	25 (635)	1-3/4" (44.5)	50143-06	50