

## Cole-Parmer® Platinum-Cured Silicone 61 Shore A Tubing

Use the platinum-cured silicone tubing for general fluid transfer and peristaltic pumping applications. With a 61 Shore A durometer, this tubing offers good resistance to high pressure compared to other soft tubing.

A low-binding surface minimizes flavor, odor, and protein absorption, helping to maintain the integrity of the fluid. Tubing is manufactured, double-bagged, and sealed in an ISO Class 7 cleanroom. For an added level of particle control, a liner is placed between the double-bagged tubing package and the box.



### CERTIFICATION

FDA 21 CFR 177.2600, USP 85, USP 87 and 88, USP 665 & 661.2, and USP 788

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

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China	+86.21.5109.9909	Italy	+39.02.84349215
India	+1.800.266.1244	All others	+1.847.549.7600

### APPLICATIONS

- Peristaltic pumps, cell media processing, and bioreactor lines
- Ideal for general-purpose, laboratory, and single-use applications

### FEATURES/BENEFITS

- Odorless, noncytotoxic, and nonhemolytic
- Manufactured, double-bagged with particle control liner, and sealed in an ISO Class 7 cleanroom
- Sterilize by autoclave, chemical sterilant, ethylene oxide (EtO), gamma irradiation, and x-ray
- Wide temperature range -73 to 204 °C (-100 to 400 °F)
- Flexible tubing with a 61 Shore A durometer
- Clear tubing—perfect for visual monitoring
- Does not contain BPA, phthalates, PVC, or peroxides

## Physical Properties

	Method	Units	Typical Value
Durometer Hardness, 10s	D2240	Shore A	61
Specific Gravity	D792	g/cm <sup>3</sup>	1.18
Tensile Strength	D412	psi (MPa)	1523 (10.5)
Elongation Break	D412	%	530%
Tear Resistance	D624	lb-f/in (KN/mm)	183 (32)
Embrittlement Temperature	—	°C (°F)	-73 (-100)
Maximum Working Temperature	—	°C (°F)	204 (400)
Gamma Irradiation Recommended Dose	—	KGy	27.5 to 40
Color	—	—	Clear
Shelf Life	—	Years	5

## Specification and Ordering Table

Dimensions in. (mm)			Working Pressure psi (bar)	Burst Pressure psi (bar)	Max Vacuum (inHg)	Item Number	Length (ft)
Tubing ID	Tubing OD	Wall					
1/16" (1.6)	3/16" (4.8)	1/16" (1.6)	34.1 (2.4)	102.2 (7.1)	29.5	<a href="#">50119-55</a>	50
1/8" (3.2)	1/4" (6.4)	1/16" (1.6)	22.9 (1.6)	68.7 (4.7)	29.5	<a href="#">50119-56</a>	50
3/16" (4.8)	5/16" (8)	1/16" (1.6)	—	—	29.5	<a href="#">50119-57</a>	50
3/16" (4.8)	7/16" (11)	1/8" (3.2)	27.5 (1.9)	82.6 (5.7)	29.5	<a href="#">50119-60</a>	50
1/4" (6.4)	3/8" (9.5)	1/16" (1.6)	13.7 (0.95)	41.2 (2.8)	15	<a href="#">50119-61</a>	50
1/4" (6.4)	7/16" (11)	3/32" (2.4)	20 (1.4)	60 (4.1)	—	<a href="#">50119-62</a>	50
1/4" (6.4)	1/2" (12.7)	1/8" (3.2)	22.9 (1.6)	68.7 (4.7)	29.5	<a href="#">50119-58</a>	50
5/16" (8)	1/2" (12.7)	3/16" (4.8)	15.8 (1.1)	47.4 (3.3)	10	<a href="#">50136-84</a>	50
3/8" (9.5)	9/16" (14.3)	3/32" (2.4)	13.7 (0.95)	41.1 (2.8)	10	<a href="#">49016-41</a>	50
3/8" (9.5)	5/8" (15.9)	1/8" (3.2)	17.2 (1.2)	51.5 (3.6)	29.5	<a href="#">50119-59</a>	50
1/2" (12.7)	3/4" (19.1)	1/8" (3.2)	13.7 (0.95)	41.2 (2.8)	10	<a href="#">50119-63</a>	50