

TUBING FOR BIO-CHEM VALVE™ PINCH VALVES

Bio-Chem Fluidics offers two high-purity medical grade tubing materials for pinch valves: Platinum cured silicone tubing and C-Flex® tubing.

Platinum-cured silicone tubing is tested in accordance to the standards set by the United States Pharmacopoeia National Formulary XVII, 1990, Class VI Biological Test for Plastics. It is FDA Masterfile listed (MAF 819).

This tubing is extremely durable and has been specifically selected for use with pinch valves. Platinum curing performed on the tubing during the extrusion process imparts superior strength and durability. Silicone tubing can be sterilized through steam autoclaving, boiling, dry heat, and gamma radiation and has a poor gas permeability rating. (Part nos. below refer to 50 ft./15.2 m. coils)

	Part Number	Diameter		Pressure		Nominal Durometer*
		Inner	Outer	Minimum	Maximum	
Platinum-cured silicone tubing	10025-10S	0.010"/0.3mm	0.093"/2.4mm	28.2 inHg vac.	30 psi / 2.0 bar	50
	10025-23S	0.023"/0.6mm	0.093"/2.4mm	28.2 inHg vac.	20 psi / 1.3 bar	60
	10025-01S	1/32"/0.8mm	3/32"/2.4mm	28.2 inHg vac.	25 psi / 1.6 bar	60
	10025-50S	0.05"/1.3mm	0.134"/3.4mm	28.2 inHg vac.	15 psi / 1.0 bar	60
	10025-02S	1/16"/1.6mm	1/8"/3.2mm	28.2 inHg vac.	25 psi / 1.6 bar	50
	10025-03S	1/16"/1.6mm	3/16"/4.8mm	28.2 inHg vac.	25 psi / 1.6 bar	50
	10025-05S	1/8"/3.2mm	1/4"/6.4mm	28.2 inHg vac.	20 psi / 1.3 bar	50

* Shore A

C-Flex® tubing is tested in accordance to the standards set by the United States Pharmacopoeia National Formulary XVII, 1990, Class VI Biological Test for Plastics. It is FDA Masterfile listed.

C-Flex® tubing is made from a thermoplastic elastomer based on styrene-ethylene-butylene and can be used with many acids and alkalis. This tubing is extremely durable and has been specifically selected for use with pinch valves. C-Flex® tubing can be sterilized through steam autoclaving, ethylene oxide (ETO), and gamma radiation and has a fair gas permeability rating. (Part nos. below refer to 50 ft./15.2 m. coils)

	Part Number	Diameter		Pressure		Nominal Durometer*
		Inner	Outer	Minimum	Maximum	
C-Flex® tubing	10025-23B	0.023"/0.6mm	0.093"/2.4mm	28.2 inHg vac.	20 psi / 1.3 bar	45
	10025-01B	1/32"/0.8mm	3/32"/2.4mm	28.2 inHg vac.	25 psi / 1.6 bar	45
	10025-02B	1/16"/1.6mm	1/8"/3.2mm	28.2 inHg vac.	25 psi / 1.6 bar	45
	10025-03B	1/16"/1.6mm	3/16"/4.8mm	28.2 inHg vac.	25 psi / 1.6 bar	50
	10025-05B	1/8"/3.2mm	1/4"/6.4mm	28.2 inHg vac.	20 psi / 1.3 bar	50

* Shore A