

# Features and Specifications for Polyurethane Tubing

Polyurethane has a high resistance to abrasion while being highly flexible and kink resistant. Its most notable quality though is its “memory”. This tubing will stretch and flex but always return to its original shape. It is available in 23 standard colors. This versatile tubing is used for everything from high pressure applications to medical uses to situations where flexibility is key. Depending on durometer and size, Polyconn’s polyurethane tubing can be used with push-in or barbed fittings.



\*Special Note - Not all colors pictured above may be available, please call us for availability.

◆denotes color code. To select color by code please refer to Standard Available Colors chart below.

## FEATURES

- Naturally clear tubing with a broad resistance to chemicals, water, fuel, oil and fungus.
- Polyurethane has a tensile strength twice that of vinyl tubing and is suitable for air logic applications.
- It is highly flexible, kink resistant with an incredible memory.
- A large range of sizes, colors, configurations, and packaging options to fulfill your needs.

## USES

- It is ideal to use barb fittings with Polyurethane 85A and Polyurethane 90A tubing.
- 85A and 90A offer a rubber like feel with no plasticizers to leach or migrate. This ensures a long stable service life.
- Barb and Push to Connect fittings can be used with Polyurethane 95A tubing.

## SPECIFICATIONS

DUROMETER	TEMPERATURE RANGE	WORKING PRESSURE	VACUUM RATING	UV STABILIZED
70A	-40°F - 165°F	3:1 Safety Factor	To -28" Hg	No
85A	-40°F - 165°F	3:1 Safety Factor	To -28" Hg	No
90A	-40°F - 165°F	3:1 Safety Factor	To -28" Hg	Yes
95A	-40°F - 165°F	3:1 Safety Factor	To -28" Hg	Yes

## POLYURETHANE 70A

Part #	OD	ID	Wall	Standard Colors	Working Pressure		Bend Radius	List Price	PKG QTY	Pkg Price
					@ 75°F	@ 150°F				
PCU-250HR-◆	1/4"	1/8"	.062"	0 2 14 25 26 27 29	60 PSI	30 PSI	1/2"	\$ 0.82	100'	\$ 82.32
PCU-250HR-◆-LR								\$ 0.73	1000'	\$ 728.80











## POLYURETHANE 85A

Part #	OD	ID	Wall	Standard Colors	Working Pressure		Bend Radius	List Price	PKG QTY	Pkg Price
					@ 75°F	@ 150°F				
PCU-125BR-◆-50	1/8"	.066"	.030"	0 2 3 4 5 6 7 8 9 10 11 14 25 26 27 28 29 32 45 46	135 PSI	55 PSI	3/16"	\$ 0.24	50'	\$ 11.91
PCU-125BR-◆-SR								\$ 0.24	250'	\$ 59.55
PCU-125BR-◆-R								\$ 0.18	500'	\$ 91.00
PCU-125BR-◆-LR								\$ 0.17	1000'	\$ 171.60
PCU-125BR-◆-XR								\$ 0.16	2500'	\$ 402.75
PCU-156BR-◆	5/32"	5/64"	.039"	0 2 3 4 5 6 7 9 11 27	155 PSI	60 PSI	3/8"	\$ 0.34	100'	\$ 33.98
PCU-156BR-◆-R								\$ 0.32	500'	\$ 159.40
PCU-156BR-◆-LR								\$ 0.28	1000'	\$ 282.00
PCU-156BR-◆-XR								\$ 0.27	2500'	\$ 664.50
PCU-187BR-◆	3/16"	1/8"	.031"	0 2	85 PSI	35 PSI	1/2"	\$ 0.46	100'	\$ 45.90
PCU-187BR-◆-R								\$ 0.42	500'	\$ 210.20
PCU-250BR-◆-50	1/4"	1/8"	.062"	0 2 3 4 5 6 7 8 9 10 11 25 26 27 28 29 32 46	145 PSI	60 PSI	1/2"	\$ 0.64	50'	\$ 32.14
PCU-250BR-◆								\$ 0.72	100'	\$ 71.82
PCU-250BR-◆-R								\$ 0.60	500'	\$ 302.20
PCU-250BR-◆-LR								\$ 0.57	1000'	\$ 565.60
PCU-312BR-◆	5/16"	3/16"	.062"	0 2 4 27	110 PSI	45 PSI	5/8"	\$ 1.11	100'	\$ 110.88
PCU-312BR-◆-R								\$ 1.03	500'	\$ 515.80
PCU-375BR-◆	3/8"	1/4"	.062"	0 2 25 26 27	90 PSI	35 PSI	3/4"	\$ 1.21	100'	\$ 120.85
PCU-375BR-◆-R								\$ 1.11	500'	\$ 556.10

## POLYURETHANE 90A

Part #	OD	ID	Wall	Standard Colors	Working Pressure		Bend Radius	List Price	PKG QTY	Pkg Price
					@ 75°F	@ 150°F				
PCU-250PB-◆	1/4"	.159"	.046"	0 2 4 6 14 25 27	135 PSI	55 PSI	5/8"	\$ 0.56	100'	\$ 55.69
PCU-250PB-◆-R								\$ 0.52	500'	\$ 259.30
PCU-250PB-◆-LR								\$ 0.48	1000'	\$ 481.60
PCU-375PB-◆	3/8"	.245"	.065"	0 2 3 4 9 25 27	125 PSI	50 PSI	3/4"	\$ 1.15	100'	\$ 115.42
PCU-375PB-◆-SR								\$ 1.12	250'	\$ 278.93
PCU-375PB-◆-R								\$ 1.06	500'	\$ 528.90
PCU-500PB-◆-50	1/2"	3/8"	.062"	0 2 3	90 PSI	35 PSI	2"	\$ 1.85	50'	\$ 92.74

# POLYURETHANE 95A

Part #	OD	ID	Wall	Standard Colors	Working Pressure		Bend Radius	List Price	PKG QTY	Pkg Price
					@ 75°F	@ 150°F				
PCU-125F-◆-50	1/8"	.066"	.030"		255 PSI	100 PSI	1/4"	\$ 0.24	50'	\$ 12.18
PCU-125F-◆-SR								\$ 0.24	250'	\$ 60.90
PCU-125F-◆-R								\$ 0.19	500'	\$ 92.75
PCU-125F-◆-LR								\$ 0.18	1000'	\$ 178.80
PCU-125F-◆-XR								\$ 0.16	2500'	\$ 412.00
PCU-156F-◆	5/32"	3/32"	.031"		210 PSI	85 PSI	3/8"	\$ 0.26	100'	\$ 26.08
PCU-156F-◆-R								\$ 0.22	500'	\$ 111.15
PCU-156F-◆-LR								\$ 0.20	1000'	\$ 203.20
PCU-156F-◆-XR								\$ 0.19	2500'	\$ 463.75
PCU-187F-◆	3/16"	.107"	.040"		220 PSI	90 PSI	3/8"	\$ 0.52	100'	\$ 52.00
PCU-187F-◆-LR								\$ 0.51	1000'	\$ 511.50
PCU-250F-◆	1/4"	.160"	.045"		175 PSI	70 PSI	1/2"	\$ 0.60	100'	\$ 60.44
PCU-250F-◆-R								\$ 0.59	500'	\$ 292.50
PCU-250F-◆-LR								\$ 0.59	1000'	\$ 585.00
PCU-250FH-◆	1/4"	1/8"	.062"		265 PSI	105 PSI	1/2"	\$ 0.74	100'	\$ 74.45
PCU-250FH-◆-R								\$ 0.73	500'	\$ 363.40
PCU-375F-◆	3/8"	.245"	.065"		170 PSI	70 PSI	7/8"	\$ 1.21	100'	\$ 120.85
PCU-375F-◆-SR								\$ 1.17	250'	\$ 293.38
PCU-375F-◆-R								\$ 1.11	500'	\$ 556.10
PCU-468F-◆-50	15/32"	5/16"	.079"		155 PSI	60 PSI	1-1/8"	\$ 1.66	50'	\$ 82.76
PCU-468F-◆-SR								\$ 1.54	250'	\$ 384.88
PCU-500F-◆-50	1/2"	.320"	.090"		175 PSI	70 PSI	1-1/8"	\$ 2.56	50'	\$ 127.94
PCU-500F-◆-SR								\$ 2.44	250'	\$ 610.83
PCU-562F-◆-50	9/16"	3/8"	.094"		155 PSI	60 PSI	1-3/8"	\$ 2.56	50'	\$ 127.94
PCU-562F-◆-SR								\$ 2.44	200'	\$ 488.66
PCU-750F-◆	3/4"	.467"	.142"		175 PSI	70 PSI	1-1/2"	\$ 5.31	150'	\$ 796.56



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