

## Features

- Large range of sizes, colors, configurations and package options available
- Extremely flexible, kink resistant tubing with excellent memory
- Low: gas permeability  
extractables  
compression set
- Ether based- low water absorption



Polyurethane is a 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 up to 125 psi. It is ideal for use with barb fittings, offering a rubberlike feel with no plasticizers to leach or migrate, and ensures a long, stable service life. Material is formed by processing Polyisocyanate and Polyol to create the ether based compound.

## Ordering Information

- Refer to the Standard Color Code chart below to select color, by code, and replace the “\*” in the part number with the code number- all colors subject to availability.
- Tubing is sold in package quantities, *please refer to Specifications information for availability.*
- Contact factory for special size or configuration.

### Standard Color Code\*

Opaque		Transparent
2= black	13= silver	0= clear (PU) natural (PE)
3= red	14= light gray	25= red
4= blue	45= neon pink	26= green
5= green	46= neon green	27= blue
6= yellow	48= neon yellow	28= yellow
7= orange	49= neon orange	29= orange
8= gray		32= purple
9= white		
10= brown		
11= purple		

### Splicing Policy

Manufacturing methods and stringent quality control will dictate the need for occasional splices:

<b>Bag</b>	<b>No splices allowed</b>
<b>R= Reel</b>	<b>1 splice allowed</b>
<b>LR= Long Reel</b>	<b>2 splices allowed</b>

Contact factory for *splice free* orders. Polyconn reserves the right to overship or undership 10% per line item.

## Specifications

Product	Temp. Range	Vacuum Rating	Diameter Tolerances	Tube Markings
<b>Polyurethane 95A</b>	-40°F to +165°F	to 28" Hg	1/8"-9/16" ± .005" 3/4" ± .007"	None

Part Number	Pkg Unit Size	OD	ID	Wall	Standard Available Colors	Working Pressure (psi)		Lbs./100'	Bend Radius	Fitting Type
						+75°F	+100°F			
<b>PCU-125F*-50</b>	50'	1/8	.066	.030	0, 2, 3, 4, 5, 6	233	116	0.5	1/4	Barb & PI
<b>PCU-125F*-SR</b>	250'				7, 8, 9, 11, 14					
<b>PCU-125F*-R</b>	500'				25, 26, 27, 28					
<b>PCU-125F*-LR</b>	1000'									
<b>PCU-125F*-XR</b>	2500'									
<b>PCU-156F*-</b>	100'	5/32	3/32	.031	0, 2, 3, 4, 5, 6	176	88	0.7	3/8	Barb & PI
<b>PCU-156F*-R</b>	500'				7, 8, 9, 11,					
<b>PCU-156F*-LR</b>	1000'				25, 26, 27, 28					
<b>PCU-156F*-XR</b>	2500'									
<b>PCU-187F*-</b>	100'	3/16	.107	.040	0, 2, 3, 4	150	75	1.01	3/8	PI
<b>PCU-187F*-LR</b>	1000'									
<b>PCU-250F*-</b>	100'	1/4	.160	.045	0, 2, 3, 4, 5, 6	148	74	1.5	1/2	Barb, PI & Comp.
<b>PCU-250F*-R</b>	500'				7, 8, 9, 11, 25					
<b>PCU-250F*-LR</b>	1000'				27, 28, 46					
<b>PCU-375F*-</b>	100'	3/8	.245	.065	0, 2, 3, 4, 5, 6	147	74	3.4	7/8	Barb, PI & Comp.
<b>PCU-375F*-R</b>	500'				8, 9, 27, 28, 45, 46					
<b>PCU-468F*-50</b>	50'	15/32	5/16	.079	0, 2, 3, 4,	133	67	3.9	1-1/8	Barb
<b>PCU-468F*-SR</b>	250'				6, 27, 46					
<b>PCU-500F*-50</b>	50'	1/2	.320	.090	0, 2, 3, 4,	140	70	5.1	1-1/8	Barb & PI
<b>PCU-500F*-SR</b>	250'				6, 27					
<b>PCU-562F*-50</b>	50'	9/16	3/8	.094	0, 2, 3, 4, 5, 6	133	67	7.5	1-3/8	Barb
<b>PCU-562F*-SR</b>	250'				27, 28, 46					
<b>PCU-750F*-</b>	150'	3/4	.467	.142	0, 3, 4, 6, 27	145	73	14.9	1-1/2	Barb

Measurements in inches unless otherwise noted

■ For pressure/temperature data, see page 78. The working pressure for polyurethane tubing is calculated using a 3 to 1 safety factor. For other sizes, colors, printing and package options please consult the factory.

See page 76 for color code information

## Specifications

Product	Temp. Range	Vacuum Rating	Diameter Tolerances	Tube Markings
<b>Polyurethane 90A</b>	-40°F to +165°F	to 28" Hg	All Sizes ±.005"	None

Part Number	Pkg Unit Size	OD	ID	Wall	Standard Available Colors	Working Pressure (psi)		Lbs./100'	Bend Radius	Fitting Type
						+75°F	+150°F			
<b>PCU-250PB-*</b>	100'	1/4	.159	.046	0, 2, 3, 4, 5,	107	54	1.5	3/8	Barb & Comp.
<b>PCU-250PB-*-R</b>	500'				6, 7, 8, 11, 14,					
<b>PCU-250PB-*-LR</b>	1000'				25, 27					
<b>PCU-250PB3/16-*</b>	100'	1/4	3/16	.031	0	67	34	1.2	5/8	Barb <b>CAUTION</b>
<b>PCU-375PB-*</b>	100'	3/8	.245	.065	0, 2, 3, 4, 5, 6	103	52	3.4	5/8	Barb & Comp.
<b>PCU-375PB-*-SR</b>	250'				8, 9, 14, 25, 26,					
<b>PCU-375PB-*-R</b>	500'				27, 28, 45, 48, 49					

Measurements in inches unless otherwise noted

For other sizes, colors, printing and package options please consult the factory.

See page 76 for color code information

**For use with barb style fittings- not for use with push-in style fittings**

## Polyurethane Tubing Temperature/Burst Information

Tubing Size		Durometer	Approximate Burst Pressure (psi)				Vacuum Rating Hg** +75°F
OD	ID		+75°F	+100°F	+125°F	+150°F	
1/8	1/16	85	390	312	255	195	28
1/8	1/16	95	699	558	453	351	28
5/32	5/64	85	408	327	264	204	28
5/32	3/32	95	528	423	342	264	28
1/4	1/8	85	378	300	246	231	28
1/4	.159	90	321	249	180	159	28
1/4	.160	95	444	354	288	222	28
1/4	.170	90	279	210	159	120	28
1/4	3/16	90	201	140	110	90	28
9/32	5/32	85	318	255	207	171	28
5/16	3/16	85	279	222	180	120	28
3/8	1/4	90	309	240	201	150	28
3/8	1/4	95	441	351	285	219	28
15/32	5/16	90	290	220	170	130	28
15/32	5/16	95	399	318	258	201	28
1/2	3/8	90	219	171	120	99	28
1/2	.320	95	420	336	273	210	28
9/16	3/8	95	399	318	258	201	28
3/4	1/2	95	435	348	282	219	28

**Specifications**

Product	Temp. Range	Vacuum Rating	Diameter Tolerances	Tube Markings
<b>Polyurethane 85A</b>	-40°F to +165°F	to 28" Hg	All sizes ±.005"	None

Part Number	Pkg Unit Size	OD	ID	Wall	Standard Available Colors	Working Pressure (psi)		Lbs./100'	Bend Radius	Fitting Type
						+75°F	+150°F			
<b>PCU-125BR-*-50</b>	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	130	65	0.5	3/16	Barb
<b>PCU-125BR-*-SR</b>	250'									
<b>PCU-125BR-*-R</b>	500'									
<b>PCU-125BR-*-LR</b>	1000'									
<b>PCU-125BR-*-XR</b>	2500'									
<b>PCU-156BR-*-50</b>	100'	5/32	5/64	.039	0, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 25, 26, 27, 28, 29, 32, 45, 46	136	68	0.8	3/8	Barb
<b>PCU-156BR-*-R</b>	500'									
<b>PCU-156BR-*-LR</b>	1000'									
<b>PCU-156BR-*-XR</b>	2500'									
<b>PCU-187BR-*-50</b>	100'	3/16	1/8	.031	0	87	44	.82	3/8	Barb <b>CAUTION</b>
<b>PCU-187BR-*-R</b>	500'									
<b>PCU-187BR-*-XR</b>	2000'									
<b>PCU-250BR-*-50</b>	50'	1/4	1/8	.062	0, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 14, 25, 26, 27, 28, 29, 32, 45, 46, 49	126	63	2.00	3/8	Barb
<b>PCU-250BR-*-50</b>	100'									
<b>PCU-250BR-*-R</b>	500'									
<b>PCU-250BR-*-LR</b>	1000'									
<b>PCU-312BR-*-50</b>	100'	5/16	3/16	.062	0, 2, 4	93	47	2.70	5/8	Barb <b>CAUTION</b>
<b>PCU-312BR-*-R</b>	500'									
<b>PCU-375BR-*-50</b>	100'	3/8	1/4	.0625	0	85	40	3.4	1/2	Barb <b>CAUTION</b>
<b>PCU-375BR-*-R</b>	500'									

Measurements in inches unless otherwise noted

See page 76 for color code information

*Quick Guide*

**Polyconn is a Master WAIRhouse®**  
*We specialize in providing the products you need.*



**Kitware®**  
*value added service*

- Customized product grouping
- Service kits
- Product installation kits
- Production kits for OEM's