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# TUBING

*Polyurethane, Polyethylene,  
Nylon, PVC, Copper, Aluminum  
& Tube Cutters*



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**POLYURETHANE**



Polyurethane NSF 51® (PUR)  
Tubing Coils & Coiled Hose

**POLYETHYLENE**



Linear Low-Density Polyethylene NSF 61® (LLDPE)  
Tubing Coils

**NYLON**



Nylon 12  
Tubing Coils

**PVC**



Polyvinylchloride NSF 61® (PVC)  
Tubing Coils

**COPPER AND ALUMINUM**



Refrigeration, Type-L Soft, & Easy Bend Versatube  
Tubing Coils

**TUBE CUTTERS**



Mini, Standard, & Plastic  
Tubing Cutters

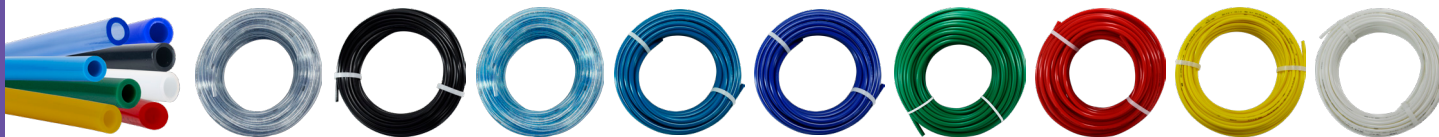


## POLYURETHANE NSF 51®

Polyurethane NSF 51® (PUR) Shore A 98 tubing is made from the highest quality raw materials available. It is ether-based to provide excellent hydrolysis, oil, and cold resistance. Polyurethane NSF 51® is strong and flexible and offers superior kink resistance compared to other tubing. It is 5 to 10 times more wear resistant and lighter in weight than any rubber hose.

Polyurethane NSF 51® tubing has an outside diameter made to extremely tight tolerances. It is ideal for use with push-to-connect fittings, as well as barb-type and compression fittings for simple installation.

TUBING



O.D.	I.D.	LENGTH	TUBE COLOR & PART #									WALL THICKNESS	BEND RADIUS	W.P. @ 75°F
			CLEAR	BLACK	CLEAR BLUE	LIGHT BLUE	NAVY BLUE	GREEN	RED	YELLOW	WHITE			
1/8"	0.062"	100'	73340									0.031"	0.200"	240 PSI
		500'	73340N5											
		1000'	73340N1											
1/4"	0.156"	100'	973343	73343B	73343CU		73343U		73341R1			0.047"	0.476"	180 PSI
		500'	73343N5	73343B5	73343CU5	73343LU5	73343U5	73343G5	73343R5	73343Y5	73343W5			
		1000'	73343N1	73343B1	73343CU1	73343LU1	73343U1		73343R1					
3/8"	0.250"	100'	973345	73345B	73345CU		73345U					0.063"	1.000"	150 PSI
		500'	73345N5	73345B5	73345CU5	73345LU5	73345U5		73345R5	73345Y5	73345W5			
		1000'	73345N1	73345B1			73345U1							
1/2"	0.328"	100'	973346	73346B	73346CU		73346U					0.086"	1.102"	150 PSI
		500'	73346N5	73346B5	73346CU5	73346LU5	73346U5	73346G5	73346R5	73346Y5	73346W5			
		1000'												
3/4"	0.500"	100'	73348	73348B	73348CU		73348U					0.125"	1.500"	140 PSI
		500'												
		1000'												
4mm (5/32")	2.4mm (3/32")	100'	973341	73341B	73341CU-NB	73341LU	73341U-NB	73341G	73341R	73341Y	73341W	0.79mm	6.35mm	200 PSI
		500'		73341B5	73341CU5	73341LU5	73341U5	73341G5	73341R5	73341Y5				
		1000'		73341B1	73341CU1		73341U1							
6mm	4mm	100'	973352	73352B	73352CU	73352LU	73352U	73352G	73352R	73354Y	73352W	1.00mm	12.00mm	180 PSI
		500'	73352N5	73352B5	73352CU5		73352U5	73352G5	73352R5	73352Y5				
		1000'	73352N1	73352B1			73352U1	73352G1	73352R1					
8mm (5/16")	5mm (3/16")	100'	973354	73354B	73354CU	73354LU	73354U	73354G	73354R	73354Y	73354W	1.60mm	15.00mm	175 PSI
		500'	73354N5	73354B5	73354CU5		73354U5		73354R5					
		1000'												
10mm	6.5mm	100'	973356	73356B	73356CU	73356LU	73356U	73356G	73356R	73356Y		1.75mm	25.00mm	150 PSI
		500'	73356N5	73356B5			73356U5		73356R5					
		1000'												
12mm	8mm	100'	973358	73358B	73358CU		73358U	73358G	73358R	73358Y		2.00mm	28.00mm	150 PSI
		500'	73358N5	73358B5			73358U5							
		1000'												
16mm	11mm	100'	973360	73360B								2.50mm	30.00mm	150 PSI
		500'												
		1000'												

### Features

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat & Cold Resistant
- Chemical Resistant
- Kink Resistant

### Specifications

- Temperature Range: -40°F to +150°F
- Hardness: Shore A 98
- Vacuum Rating: To 28" Hg
- Tolerances:
  - 1/8"-1/2" O.D. +/- .005
  - 9/16"-3/4" O.D. +/- .006
- Safety Factor 3:01

### Certifications/Compliance

- NSF 51® Certified
- Meets NSF 61® Requirements
- FDA Compliant
- REACH Prop 65 Compliant
- RoHS Certified
- Meets UL94HB Requirements

### Applications

- Pneumatic Tools
- Pneumatic Piping
- Vacuum
- Laboratories
- Robotics
- Motion Control
- Instrumentation
- Agriculture
- Lube Lines
- Painting Systems
- Food & Beverages

## POLYURETHANE - MALE NPT CLEAR BLUE COILED HOSE



O.D.	I.D.	LENGTH	WORKING LENGTH	TUBE COLOR & PART #	W.P. @ 68°F
				CLEAR BLUE	
3/8"	1/4"	10'	8'	73383CU10	148 PSI
		15'	12'	73383CU15	
		20'	16'	73383CU20	
		25'	20'	73383CU25	
9/16"	3/8"	10'	8'	73385CU10	148 PSI
		15'	12'	73385CU15	
		20'	16'	73385CU20	
		25'	20'	73385CU25	

### Features

- Strong
- Lightweight
- Excellent Coil Memory
- Abrasion Resistant
- Moisture Resistant
- Kink Resistant
- Reusable Nickel-Plated Fittings with Bend Restrictors
- Available with Threads of Pneumatic QD Fittings

### Specifications

- Temperature Range: -68°F to +140°F
- Hardness: Shore A 98
- Vacuum Rating: To 28" Hg
- Safety Factor 3:1
- Material: Ether-Based Polyurethane

### Certifications/Compliance

- NSF 51® Certified
- Meets NSF 61® Requirements
- FDA Compliant
- REACH Prop 65 Compliant
- RoHS Certified
- Meets UL94HB Requirements

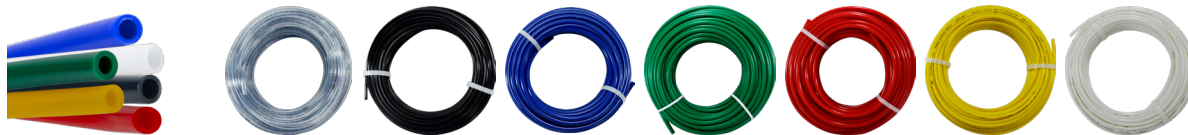
### Applications

- Pneumatic Tools
- Pneumatic Piping
- Vacuum
- Laboratories
- Robotics
- Motion Control
- Instrumentation
- Agriculture
- Lube Lines
- Painting Systems
- Food & Beverages

## POLYETHYLENE NSF 61®

Linear Low-Density Polyethylene Tubing (LLDPE) is made from 100% non-toxic ingredients. It's inert nature and FDA compliant status makes it perfect for food, water and beverage piping. It is ideal for use in pneumatic, drain piping, lab use and chemical transfer applications which require an inexpensive tubing.

Polyethylene is highly-resistant to stress cracking from chemicals, aging and ultraviolet exposure. For use with barb-type, push-to-connect or compression-style fittings.



O.D.	I.D.	LENGTH	TUBE COLOR & PART #							WALL THICKNESS	BEND RADIUS	W.P. @ 75°F
			NEUTRAL	BLACK	NAVY BLUE	GREEN	RED	YELLOW	WHITE			
1/8"	0.080"	100'	973200							0.022"	0.150"	250 PSI
		500'	73200N5									
		1000'										
1/4"	0.170"	100'	973203	73203B	73203U	73203G	73203R	73203Y	73203W	0.040"	1.250"	150 PSI
		500'	73203N5	73203B5	73203U5	73203G5	73203R5	73203Y5				
		1000'	73203N1	73203B1	73203U1-NB	73203G1	73203R1	73203Y1				
1/4"	0.125"	100'	973204	73204B	73204U	73204G		73204Y		0.062"	1.000"	350 PSI
		500'	73204N5									
		1000'	73204N1									
3/8"	0.250"	100'	973206	73206B	73206U	73206G	73206R	73206Y	73206W	0.062"	2.000"	150 PSI
		500'	73206N5	73206B5	73206U5	73206G5	73206R5	73206Y5				
		1000'	73206N1	73206B1	73206U1	73206G1	73206R1	73206Y1				
1/2"	0.375"	100'	973207	73207B	73207U	73207G	73207R	73207Y		0.062"	2.500"	125 PSI
		500'	73207N5	73207B5	73207U5	73207G5	73207R5	73207Y5				
		1000'										
5/8"	0.500"	100'	973208							0.062"	3.000"	100 PSI
		500'	73208N5									
		1000'										
3/4"	0.625"	100'	973211							0.062"	4.000"	100 PSI
		500'										
		1000'										
4mm (5/32")	27mm	100'	973201	73201B	73201U					0.65mm	25.4mm	180 PSI
		500'										
		1000'										
6mm	4mm	100'	73203M	73203MB						1.00mm	31.80mm	150 PSI
		500'										
		1000'										
8mm (5/16")	6mm	100'	973205	73205B						1.00mm	38.10mm	150 PSI
		500'	73205N5	73205B5								
		1000'										
10mm	8mm	100'	73206M	73206MB						1.00mm	51.00mm	125 PSI
		500'	73206MN5									
		1000'										

### Features

- Chemically Inert
- Chemical Resistant
- Lightweight & Flexible
- Good Dielectric Properties
- Impermeable to Gases

### Specifications

- Temperature Range: -40°F to +150°F
- Hardness: Shore A 98
- Shore D 45D
- Vacuum Rating: To 28" Hg
- Safety Factor 3:01

### Certifications/Compliance

- NSF 61® Certified
- Meets NSF 51® Requirements
- FDA Compliant
- REACH Prop 65 Compliant
- RoHS Certified

### Applications

- Food & Beverage
- Pneumatic Tools
- Pneumatic Piping
- Electrical Jacketing
- Drain Lines
- Instrumentation
- Chemical Transfer
- Process Control
- Laboratories

## NYLON 12 TUBING

Nylon 12 tubing is recognized as an industry standard for applications which require higher working pressures and higher heat and/or chemical resistance. It is ideal for outdoor use applications because of its superior stress crack resistance. Nylon 12 is strong, lightweight and has a very low moisture absorption rate compared to other nylons. By not absorbing moisture, Nylon 12 remains more flexible, which in turn extends its service life. Nylon 12 tubing can be used with standard push-to-connect fittings and compression fittings for simple installation.

Because of its semi-rigid properties, a thinner tube wall provides higher flow rates and working pressure.



O.D.	I.D.	LENGTH	TUBE COLOR & PART #		WALL THICKNESS	BEND RADIUS	W.P. @ 75°F
			NEUTRAL	BLACK			
1/8"	0.062"	100'	973230	73230B	0.022"	0.375"	420 PSI
		500'	73230N5				
		1000'					
1/4"	0.180"	100'	973232	73232B	0.035"	1.250"	290 PSI
		500'	73232N5	73232B5			
		1000'	73232N1	73232B1			
1/4"	0.150"	100'	973238	73238B	0.050"	0.750"	800 PSI
		500'					
		1000'					
3/8"	0.275"	100'	973233	73233B	0.050"	2.000"	250 PSI
		500'	73233N5	73233B5			
		1000'	73233N1	73233B1			
1/2"	0.375"	100'	973234		0.062"	3.500"	240 PSI
		500'	73234N5	73234B5			
		1000'					
4mm (5/32")	2.7mm	100'	973231 & 973323	73231B	0.65mm	12.7mm	350 PSI
		500'	73323N5	73323B5			
		1000'	73323N1				
6mm	4mm	100'	973325 & 973326	73326B	1.00mm	31.80mm	340 PSI
		500'	73326N5				
		1000'					
8mm (5/16")	6mm	100'	973226 & 973327	73226B	1.00mm	38.00mm	250 PSI
		500'	73327N5	73327B5			
		1000'					
10mm	8mm	100'	973329	73329B	1.00mm	51.00mm	225 PSI
		500'					
		1000'					
12mm	10mm	100'	973332	73332B	1.00mm	63.50mm	200 PSI
		500'					
		1000'					

### Features

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat Resistant
- Chemical Resistant
- Heat and UV Stabilized
- Higher Flow Rates & Working Pressure

### Specifications

- Temperature Range: -60°F to +200°F
- Hardness: Rockwell 78R
- Shore 70D
- Vacuum Rating: To 28" Hg
- Higher Flow Rates & Working Pressure
- Tolerances:
  - 1/8" - 1/4" +/- 0.005
  - 3/4" - 1/2" +/- 0.006
- Safety Factor 3:01

### Certifications/Compliance

- REACH Prop 65 Compliant
- RoHS Certified

### Applications

- Pneumatic Tools
- Pneumatic Piping
- Instrumentation
- Lube Lines
- Coolants
- Refrigeration
- Chemical Transfer
- Vacuum
- Process Control

- Fuel Lines
- Paint Supply Lines
- Laboratories

## PVC POLYVINYLCHLORIDE NSF 61®

PVC Polyvinylchloride is suited for general, low-pressure, industrial applications for the conveyance of liquids and solids of suitable granular size. Made from a PVC compound that complies with FDA regulations. Although it is primarily intended for applications where pressure is not essential, it will withstand the pressures shown.

The clear PVC Tubing provides good chemical resistance, is lightweight, flexible and economically priced.



O.D.	I.D.	LENGTH	TUBE COLOR & PART #	WALL THICKNESS	WORKING PRESSURE
			CLEAR		
1/4" (0.250")	1/8" (0.125")	100'	973224	1/16" (0.032")	50 PSI
5/16" (0.313")	3/16" (0.187")	100'	973223	1/16" (0.032")	55 PSI
3/8" (0.375")	1/4" (0.250")	100'	973215	1/16" (0.032")	55 PSI
7/16" (0.438")	5/16" (0.312")	100'	973252	1/16" (0.032")	50 PSI
1/2" (0.500")	5/16" (0.312")	100'	973253	3/32" (0.094")	55 PSI
1/2" (0.500")	3/8" (0.375")	100'	973216	1/16" (0.032")	45 PSI
9/16" (0.563")	3/8" (0.375")	100'	973262	3/32" (0.094")	50 PSI
5/8" (0.625")	3/8" (0.375")	100'	973255	1/8" (0.125")	55 PSI
5/8" (0.625")	1/2" (0.500")	100'	973217	1/16" (0.062")	30 PSI
1" (1.00")	3/4" (0.750")	100'	973219	1/8" (0.125")	35 PSI
1-1/4" (1.25")	1" (1.00")	100'	973221	1/8" (0.125")	25 PSI

### Features

- Lightweight
- Flexible
- Food Grade
- Clear Color / Blue Tint

### Specifications

- Temperature Range: +25°F to +150°F
- Hardness: Shore A 75 PVC
- Burst Pressure 3:1

### Certifications/Compliance

- NSF 61® Certified
- FDA Compliant
- USP Class VI Rated Materials
- RoHS Certified

### Applications

- Beverage Dispensing
- Drain Tubing
- Potable Water
- Laboratory Tubing
- Wine Transfer
- Low Pressure Air Line
- Distilled Water Transfer
- Light Vacuum
- Wire Harness

## MINI-TUBING CUTTER



SIZE	PART #
3mm - 22mm (1/8" - 7/8")	990571

- Great for tight places

## TUBE CUTTER



SIZE	PART #
1/8" - 1-1/8"	990570

## PLASTIC TUBE CUTTER W/ BLADE



SIZE	PART #
3mm - 10mm (1/8" - 3/8")	990571

## ALUMINUM TUBING - EASY BEND VERSATUBE COILS

Bend this tubing into the shape you need without special tools or elbow fittings. It is also known as Alloy 3003. Tubing has seamless construction, which provides a smooth interior and allows it to be flared without splitting. Use with water, air, alcohol and oil. Tubing meets ASTM B483 and has a soft (annealed) temper. OD tolerance is  $\pm 0.004$ "



- Alloy 3003-0 / ASTM B-483
- 900 PSI Max Working Pressure
- 3700 PSI Burst Pressure

O.D.	I.D.	LENGTH	PART #	WALL THICKNESS	W.P. @ 100°F	CASE QTY.
1/8"	0.075"	50'	<b>972190</b>	0.025"	2,300 PSI	10 Coils
3/16"	0.132"	50'	<b>972191</b>	0.028"	1,600 PSI	10 Coils
1/4"	0.186"	50'	<b>972192</b>	0.032"	1,400 PSI	10 Coils
5/16"	0.243"	50'	<b>972193</b>	0.035"	1,200 PSI	10 Coils
3/8"	0.305"	50'	<b>972194</b>	0.035"	1,000 PSI	10 Coils
1/2"	0.430"	50'	<b>972195</b>	0.035"	740 PSI	10 Coils

## COPPER TUBING - REFRIGERATION TUBING COILS

This copper Alloy 122 tube comes cleaned and capped to prevent moisture and dirt from contaminating the inside. It's often called refrigeration and air conditioning tubing. Use with water, natural gas, oil and R22 refrigerant. Tubing meets ASTM B280. It has seamless construction, which provides a smooth interior. Tubing has a soft (annealed) temper.



- ASTM B-280
- Temp range: 32° to 400°F
- Bend with a bending tool
- Use with copper solder-connect fittings

O.D.	TUBE SIZE	I.D.	LENGTH	PART #	WALL THICKNESS	W.P. @ 100°F	WEIGHT PER 50' COIL
1/8"	-	0.065"	50'	<b>972180</b>	0.030"	3,000 PSI	1.74 lbs
3/16"	-	0.128"	50'	<b>972181</b>	0.030"	1,900 PSI	2.88 lbs
1/4"	1/8"	0.190"	50'	<b>972182</b>	0.030"	1,400 PSI	4.02 lbs
5/16"	-	0.248"	50'	<b>972183</b>	0.032"	1,100 PSI	5.45 lbs
3/8"	1/4"	0.311"	50'	<b>972184</b>	0.032"	980 PSI	6.70 lbs
1/2"	3/8"	0.436"	50'	<b>972185</b>	0.032"	720 PSI	9.10 lbs
5/8"	1/2"	0.555"	50'	<b>972186</b>	0.035"	610 PSI	12.55 lbs
3/4"	5/8"	0.680"	50'	<b>972187</b>	0.035"	510 PSI	15.25 lbs

## COPPER TUBING - TYPE-L SOFT COILS FOR DRINKING WATER

NSF 61 certified for drinking (potable) water, this copper Alloy 122 tubing is also called type L. Tubing meets ASTM B88. It has seamless construction, which provides a smooth interior.

Coils - Have a soft (annealed) temper.



- For Residential Water Lines
- Temp range: 32° to 180°F
- Bend with a bending tool
- Use with copper solder-connect fittings

O.D.	TUBE SIZE	I.D.	LENGTH	PART #	WALL THICKNESS	W.P. @ 100°F	WEIGHT PER 60' COIL
3/8"	1/4"	0.315"	60'	<b>972171</b>	0.030"	910 PSI	7.56 lbs
1/2"	3/8"	0.430"	60'	<b>972172</b>	0.035"	770 PSI	11.88 lbs
5/8"	1/2"	0.545"	60'	<b>972173</b>	0.040"	720 PSI	17.10 lbs

### Applications

- Water Service
- Natural, Liquid, & Petroleum Gases
- Fire Protection
- Solar
- Fuel/Fuel Oil
- HVAC
- Snow Melting
- Air Brake