



Polyurethane Pneumatic Tubing



NITRA™ polyurethane (PUR) tubing is made from the highest quality, 100% virgin raw materials available and has a hardness specification of Shore A 98. It is ether based to provide excellent hydrolysis, oil and cold resistance. NITRA polyurethane tubing is strong, flexible, and offers superior kink resistance compared to other tubing. With its extremely tight outside diameter tolerance, NITRA polyurethane tubing is ideal for use with NITRA push-to-connect fittings.

Features

- Inch and metric sizes available
- Six colors - black, blue, clear, red, yellow, and clear blue
- 100 foot and 500 foot package sizes
- Shore A 98 hardness
- Strong, flexible and kink resistant
- Made in USA

Polyurethane 5/32 in. (4 mm) Tubing Specifications					
Outside Diameter (in.)	0.156	Working Pressure (psi) @ 70° F	200	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (in.)	0.093	Burst Pressure (psi)	600	Hardness	Shore A 98
Wall Thickness (in.)	0.031	Vacuum Rating	To 28" Hg	Bend Radius (in.)	0.250
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU532BLK100	<-->	5/32 in. (4 mm)	Black	100 ft. Package	1.0
PU532BLK500	<-->		Black	500 ft. Reel	4.0
PU532BLU100	<-->		Blue	100 ft. Package	1.0
PU532BLU500	<-->		Blue	500 ft. Reel	4.0
PU532CLR100	<-->		Clear	100 ft. Package	1.0
PU532CLR500	<-->		Clear	500 ft. Reel	4.0
PU532CBL100	<-->		Clear Blue	100 ft. Package	1.0
PU532CBL500	<-->		Clear Blue	500 ft. Reel	4.0
PU532RED100	<-->		Red	100 ft. Package	1.0
PU532RED500	<-->		Red	500 ft. Reel	4.0
PU532YEL100	<-->		Yellow	100 ft. Package	1.0
PU532YEL500	<-->		Yellow	500 ft. Reel	4.0

Polyurethane 1/4 in. Tubing Specifications					
Outside Diameter (in.)	0.250	Working Pressure (psi) @ 70° F	180	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (in.)	0.156	Burst Pressure (psi)	540	Hardness	Shore A 98
Wall Thickness (in.)	0.047	Vacuum Rating	To 28" Hg	Bend Radius (in.)	0.476
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU14BLK100	<-->	1/4 in.	Black	100 ft. Package	2.0
PU14BLK500	<-->		Black	500 ft. Reel	8.0
PU14BLU100	<-->		Blue	100 ft. Package	2.0
PU14BLU500	<-->		Blue	500 ft. Reel	8.0
PU14CLR100	<-->		Clear	100 ft. Package	2.0
PU14CLR500	<-->		Clear	500 ft. Reel	8.0
PU14CBL100	<-->		Clear Blue	100 ft. Package	2.0
PU14CBL500	<-->		Clear Blue	500 ft. Reel	8.0
PU14RED100	<-->		Red	100 ft. Package	2.0
PU14RED500	<-->		Red	500 ft. Reel	8.0
PU14YEL100	<-->		Yellow	100 ft. Package	2.0
PU14YEL500	<-->		Yellow	500 ft. Reel	8.0

Polyurethane 3/8 in. Tubing Specifications					
Outside Diameter (in.)	0.375	Working Pressure (psi) @ 70°F	150	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (in.)	0.250	Burst Pressure (psi)	450	Hardness	Shore A 98
Wall Thickness (in.)	0.063	Vacuum Rating	To 28" Hg	Bend Radius (in.)	1.00

Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU38BLK100	<--->	3/8 in.	Black	100 ft. Package	3.0
PU38BLK500	<--->		Black	500 ft. Reel	16.0
PU38BLU100	<--->		Blue	100 ft. Package	3.0
PU38BLU500	<--->		Blue	500 ft. Reel	16.0
PU38CLR100	<--->		Clear	100 ft. Package	3.0
PU38CLR500	<--->		Clear	500 ft. Reel	16.0
PU38CBL100	<--->		Clear Blue	100 ft. Package	3.0
PU38CBL500	<--->		Clear Blue	500 ft. Reel	16.0
PU38RED100	<--->		Red	100 ft. Package	3.0
PU38RED500	<--->		Red	500 ft. Reel	16.0
PU38YEL100	<--->		Yellow	100 ft. Package	3.0
PU38YEL500	<--->		Yellow	500 ft. Reel	16.0

Polyurethane 1/2 in. Tubing Specifications					
Outside Diameter (in.)	0.500	Working Pressure (psi) @ 70°F	150	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (in.)	0.328	Burst Pressure (psi)	450	Hardness	Shore A 98
Wall Thickness (in.)	0.086	Vacuum Rating	To 28" Hg	Bend Radius (in.)	1.102

Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU12BLK100	<--->	1/2 in.	Black	100 ft. Package	6.0
PU12BLK500	<--->		Black	500 ft. Reel	29.0
PU12BLU100	<--->		Blue	100 ft. Package	6.0
PU12BLU500	<--->		Blue	500 ft. Reel	29.0
PU12CLR100	<--->		Clear	100 ft. Package	6.0
PU12CLR500	<--->		Clear	500 ft. Reel	29.0
PU12CBL100	<--->		Clear Blue	100 ft. Package	6.0
PU12CBL500	<--->		Clear Blue	500 ft. Reel	29.0
PU12RED100	<--->		Red	100 ft. Package	6.0
PU12RED500	<--->		Red	500 ft. Reel	29.0
PU12YEL100	<--->		Yellow	100 ft. Package	6.0
PU12YEL500	<--->		Yellow	500 ft. Reel	29.0

Polyurethane 6 mm Tubing Specifications					
Outside Diameter (mm)	6.0	Working Pressure (psi) @ 70° F	180	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (mm)	4.0	Burst Pressure (psi)	540	Hardness	Shore A 98
Wall Thickness (mm)	1.0	Vacuum Rating	To 28" Hg	Bend Radius (mm)	12
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU6MBLK100	<--->	6 mm	Black	100 ft. Package	2.0
PU6MBLK500	<--->		Black	500 ft. Reel	7.0
PU6MBLU100	<--->		Blue	100 ft. Package	2.0
PU6MBLU500	<--->		Blue	500 ft. Reel	7.0
PU6MCLR100	<--->		Clear	100 ft. Package	2.0
PU6MCLR500	<--->		Clear	500 ft. Reel	7.0
PU6MCBL100	<--->		Clear Blue	100 ft. Package	2.0
PU6MCBL500	<--->		Clear Blue	500 ft. Reel	7.0
PU6MRED100	<--->		Red	100 ft. Package	2.0
PU6MRED500	<--->		Red	500 ft. Reel	7.0
PU6MYEL100	<--->		Yellow	100 ft. Package	2.0
PU6MYEL500	<--->		Yellow	500 ft. Reel	7.0

Polyurethane 8 mm Tubing Specifications					
Outside Diameter (mm)	8.0	Working Pressure (psi) @ 70° F	175	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (mm)	5.0	Burst Pressure (psi)	525	Hardness	Shore A 98
Wall Thickness (mm)	1.5	Vacuum Rating	To 28" Hg	Bend Radius (mm)	15
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU8MBLK100	<--->	8 mm	Black	100 ft. Package	3.0
PU8MBLK500	<--->		Black	500 ft. Reel	12.0
PU8MBLU100	<--->		Blue	100 ft. Package	3.0
PU8MBLU500	<--->		Blue	500 ft. Reel	12.0
PU8MCLR100	<--->		Clear	100 ft. Package	3.0
PU8MCLR500	<--->		Clear	500 ft. Reel	12.0
PU8MCBL100	<--->		Clear Blue	100 ft. Package	3.0
PU8MCBL500	<--->		Clear Blue	500 ft. Reel	12.0
PU8MRED100	<--->		Red	100 ft. Package	3.0
PU8MRED500	<--->		Red	500 ft. Reel	12.0
PU8MYEL100	<--->		Yellow	100 ft. Package	3.0
PU8MYEL500	<--->		Yellow	500 ft. Reel	12.0

Polyurethane 10 mm Tubing Specifications					
Outside Diameter (mm)	10.0	Working Pressure (psi) @ 70° F	150	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (mm)	6.5	Burst Pressure (psi)	450	Hardness	Shore A 98
Wall Thickness (mm)	1.75	Vacuum Rating	To 28" Hg	Bend Radius (mm)	25
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU10MBLK100	<-->	10 mm	Black	100 ft. Package	4.0
PU10MBLK500	<-->		Black	500 ft. Reel	18.0
PU10MBLU100	<-->		Blue	100 ft. Package	4.0
PU10MBLU500	<-->		Blue	500 ft. Reel	18.0
PU10MCLR100	<-->		Clear	100 ft. Package	4.0
PU10MCLR500	<-->		Clear	500 ft. Reel	18.0
PU10MCBL100	<-->		Clear Blue	100 ft. Package	4.0
PU10MCBL500	<-->		Clear Blue	500 ft. Reel	18.0
PU10MRED100	<-->		Red	100 ft. Package	4.0
PU10MRED500	<-->		Red	500 ft. Reel	18.0
PU10MYEL100	<-->		Yellow	100 ft. Package	4.0
PU10MYEL500	<-->		Yellow	500 ft. Reel	18.0

Polyurethane 12 mm Tubing Specifications					
Outside Diameter (mm)	12.0	Working Pressure (psi) @ 70° F	150	Temp. Range	-40°F to +160°F (-40°C to +71°C)
Inside Diameter (mm)	8.0	Burst Pressure (psi)	450	Hardness	Shore A 98
Wall Thickness (mm)	2.0	Vacuum Rating	To 28" Hg	Bend Radius (mm)	28
Part Number	Price	Size	Color	PKG/Reel Length (feet)	PKG WT (lbs)
PU12MBLK100	<-->	12 mm	Black	100 ft. Package	5.0
PU12MBLK500	<-->		Black	500 ft. Reel	24.0
PU12MBLU100	<-->		Blue	100 ft. Package	5.0
PU12MBLU500	<-->		Blue	500 ft. Reel	24.0
PU12MCLR100	<-->		Clear	100 ft. Package	5.0
PU12MCLR500	<-->		Clear	500 ft. Reel	24.0
PU12MCBL100	<-->		Clear Blue	100 ft. Package	5.0
PU12MCBL500	<-->		Clear Blue	500 ft. Reel	24.0
PU12MRED100	<-->		Red	100 ft. Package	5.0
PU12MRED500	<-->		Red	500 ft. Reel	24.0
PU12MYEL100	<-->		Yellow	100 ft. Package	5.0
PU12MYEL500	<-->		Yellow	500 ft. Reel	24.0

NITRA Pneumatic Tubing Accessories

Pneumatic Tubing Cutter				
Part Number	Description	Pcs/Pkg	Wt (lb)	Price
TC-12	NITRA pneumatic tubing cutter for use with 1/8 to 1/2 inch and 4 to 12 mm outside diameter flexible plastic tubing.	1	0.1	<-->



TC-12

Pneumatic tubing made in USA for less!



Polyurethane (PUR) Tubing

NITRA™ polyurethane tubing is made from the highest quality, 100% virgin raw materials available and has a hardness specification of Shore A 98. It is ether based to provide excellent hydrolysis, oil and cold resistance. NITRA polyurethane tubing is strong, flexible, and offers superior kink resistance compared to other tubing. With its extremely tight outside diameter tolerance, NITRA Polyurethane Tubing is ideal for use with NITRA push-to-connect fittings.



Features

- Inch and metric sizes available
- Six colors – black, blue, clear, red, yellow, and clear blue
- 100 foot and 500 foot package sizes
- Shore A 98 hardness
- Strong, flexible and kink resistant

Nylon 12 Tubing

NITRA nylon 12 tubing is made from the highest quality, 100% virgin raw materials available and has a hardness specification of Shore D 70. Nylon tubing is recognized as an industry standard for applications which require higher working pressures and better heat/chemical resistance than polyurethane. NITRA Nylon 12 Tubing is strong, lightweight, and has a very low moisture absorption rate so it will remain flexible with a longer service life than other nylons. NITRA Nylon 12 is ideal for use with NITRA push-to-connect fittings.



Features

- Inch and metric sizes available
- Five colors – black, blue, natural, red and yellow
- 100 foot and 500 foot package sizes
- High working pressure and temperature/chemical resistance

Polyurethane Pneumatic Tubing		
Colors Available	PKG/Reel Length (feet)	Price
Polyurethane 5/32 in. (4mm) Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU532xxx100)
	500 ft. Reel	<---> (PU532xxx500)
Polyurethane 1/4 in. Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU14xxx100)
	500 ft. Reel	<---> (PU14xxx500)
Polyurethane 3/8 in. Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU38xxx100)
	500 ft. Reel	<---> (PU38xxx500)
Polyurethane 1/2 in. Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU12xxx100)
	500 ft. Reel	<---> (PU12xxx500)
Polyurethane 6 mm Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU6Mxxx100)
	500 ft. Reel	<---> (PU6Mxxx500)
Polyurethane 8 mm Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU8Mxxx100)
	500 ft. Reel	<---> (PU8Mxxx500)
Polyurethane 10 mm Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU10Mxxx100)
	500 ft. Reel	<---> (PU10Mxxx500)
Polyurethane 12 mm Tubing		
Black, Blue, Clear, Red, Yellow, Clear Blue	100 ft. Package	<---> (PU12Mxxx100)
	500 ft. Reel	<---> (PU12Mxxx500)

Nylon Pneumatic Tubing		
Colors Available	PKG/Reel Length (feet)	Price
Nylon 5/32 in. (4mm) Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N532xxx100)
	500 ft. Reel	<---> (N532xxx500)
Nylon 1/4 in. Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N14xxx100)
	500 ft. Reel	<---> (N14xxx500)
Nylon 3/8 in. Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N38xxx100)
	500 ft. Reel	<---> (N38xxx500)
Nylon 1/2 in. Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N12xxx100)
	500 ft. Reel	<---> (N12xxx500)
Nylon 6 mm Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N6Mxxx100)
	500 ft. Reel	<---> (N6Mxxx500)
Nylon 8 mm Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N8Mxxx100)
	500 ft. Reel	<---> (N8Mxxx500)
Nylon 10 mm Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N10Mxxx100)
	500 ft. Reel	<---> (N10Mxxx500)
Nylon 12 mm Tubing		
Black, Blue, Natural, Red, Yellow	100 ft. Package	<---> (N12Mxxx100)
	500 ft. Reel	<---> (N12Mxxx500)