



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, 100 and 250 foot package sizes for the PU16M series
- Shore A 98 hardness
- Strong, flexible and kink resistant
- Made in USA

### Polyurethane 5/32 in. (4 mm) Tubing Specifications

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

### Polyurethane 1/4 in. Tubing Specifications

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

### Polyurethane 3/8 in. Tubing Specifications

<b>Outside Diameter (in.)</b>	0.375	<b>Working Pressure (psi) @ 70° F</b>	150	<b>Temp. Range</b>	-40°F to +160°F (-40°C to +71°C)		
<b>Inside Diameter (in.)</b>	0.250	<b>Burst Pressure (psi)</b>	450	<b>Hardness</b>	Shore A 98		
<b>Wall Thickness (in.)</b>	0.063	<b>Vacuum Rating</b>	To 28" Hg	<b>Bend Radius (in.)</b>	1.00		
100 ft. Package Length				500 ft. Reel Length			
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU38BLK100	<--->	Black	3.0	PU38BLK500	<--->	Black	16.0
PU38BLU100	<--->	Blue		PU38BLU500	<--->	Blue	
PU38CLR100	<--->	Clear		PU38CLR500	<--->	Clear	
PU38CBL100	<--->	Clear Blue		PU38CBL500	<--->	Clear Blue	
PU38RED100	<--->	Red		PU38RED500	<--->	Red	
PU38YEL100	<--->	Yellow		PU38YEL500	<--->	Yellow	

## Polyurethane 1/2 in. Tubing Specifications

<b>Outside Diameter (in.)</b>	0.500	<b>Working Pressure (psi) @ 70° F</b>	150	<b>Temp. Range</b>	-40°F to +160°F (-40°C to +71°C)		
<b>Inside Diameter (in.)</b>	0.328	<b>Burst Pressure (psi)</b>	450	<b>Hardness</b>	Shore A 98		
<b>Wall Thickness (in.)</b>	0.086	<b>Vacuum Rating</b>	To 28" Hg	<b>Bend Radius (in.)</b>	1.102		
100 ft. Package Length			500 ft. Reel Length				
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU12BLK100	<--->	Black	6.0	PU12BLK500	<--->	Black	29.0
PU12BLU100	<--->	Blue		PU12BLU500	<--->	Blue	
PU12CLR100	<--->	Clear		PU12CLR500	<--->	Clear	
PU12CBL100	<--->	Clear Blue		PU12CBL500	<--->	Clear Blue	
PU12RED100	<--->	Red		PU12RED500	<--->	Red	
PU12YEL100	<--->	Yellow		PU12YEL500	<--->	Yellow	

## Polyurethane 6 mm Tubing Specifications

<b>Outside Diameter (mm)</b>	6.0	<b>Working Pressure (psi) @ 70° F</b>	180	<b>Temp. Range</b>	-40°F to +160°F (-40°C to +71°C)		
<b>Inside Diameter (mm)</b>	4.0	<b>Burst Pressure (psi)</b>	540	<b>Hardness</b>	Shore A 98		
<b>Wall Thickness (mm)</b>	1.0	<b>Vacuum Rating</b>	To 28" Hg	<b>Bend Radius (mm)</b>	12.0		
100 ft. Package Length			500 ft. Reel Length				
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU6MBLK100	<--->	Black	2.0	PU6MBLK500	<--->	Black	7.0
PU6MBLU100	<--->	Blue		PU6MBLU500	<--->	Blue	
PU6MCLR100	<--->	Clear		PU6MCLR500	<--->	Clear	
PU6MCBL100	<--->	Clear Blue		PU6MCBL500	<--->	Clear Blue	
PU6MRED100	<--->	Red		PU6MRED500	<--->	Red	
PU6MYEL100	<--->	Yellow		PU6MYEL500	<--->	Yellow	

## Polyurethane 8 mm Tubing Specifications

<b>Outside Diameter (mm)</b>	8.0	<b>Working Pressure (psi) @ 70° F</b>	175	<b>Temp. Range</b>	-40°F to +160°F (-40°C to +71°C)		
<b>Inside Diameter (mm)</b>	5.0	<b>Burst Pressure (psi)</b>	525	<b>Hardness</b>	Shore A 98		
<b>Wall Thickness (mm)</b>	1.5	<b>Vacuum Rating</b>	To 28" Hg	<b>Bend Radius (mm)</b>	15.0		
100 ft. Package Length			500 ft. Reel Length				
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU8MBLK100	<--->	Black	3.0	PU8MBLK500	<--->	Black	12.0
PU8MBLU100	<--->	Blue		PU8MBLU500	<--->	Blue	
PU8MCLR100	<--->	Clear		PU8MCLR500	<--->	Clear	
PU8MCBL100	<--->	Clear Blue		PU8MCBL500	<--->	Clear Blue	
PU8MRED100	<--->	Red		PU8MRED500	<--->	Red	
PU8MYEL100	<--->	Yellow		PU8MYEL500	<--->	Yellow	

## Polyurethane 10 mm Tubing Specifications

<b>Outside Diameter (mm)</b>	10.0	<b>Working Pressure (psi) @ 70° F</b>	150	<b>Temp. Range</b>	-40°F to +160°F (-40°C to +71°C)		
<b>Inside Diameter (mm)</b>	6.5	<b>Burst Pressure (psi)</b>	450	<b>Hardness</b>	Shore A 98		
<b>Wall Thickness (mm)</b>	1.75	<b>Vacuum Rating</b>	To 28" Hg	<b>Bend Radius (mm)</b>	25.0		
100 ft. Package Length			500 ft. Reel Length				
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU10MBLK100	<--->	Black	4.0	PU10MBLK500	<--->	Black	18.0
PU10MBLU100	<--->	Blue		PU10MBLU500	<--->	Blue	
PU10MCLR100	<--->	Clear		PU10MCLR500	<--->	Clear	
PU10MCBL100	<--->	Clear Blue		PU10MCBL500	<--->	Clear Blue	
PU10MRED100	<--->	Red		PU10MRED500	<--->	Red	
PU10MYEL100	<--->	Yellow		PU10MYEL500	<--->	Yellow	

Polyurethane 12 mm Tubing Specifications							
<b>Outside Diameter (mm)</b>	12.0	<b>Working Pressure (psi) @ 70° F</b>		150	<b>Temp. Range</b>		-40°F to +160°F (-40°C to +71°C)
<b>Inside Diameter (mm)</b>	8.0	<b>Burst Pressure (psi)</b>		450	<b>Hardness</b>		Shore A 98
<b>Wall Thickness (mm)</b>	2.0	<b>Vacuum Rating</b>		To 28" Hg	<b>Bend Radius (mm)</b>		28.0
100 ft. Package Length				500 ft. Reel Length			
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU12MBLK100	<-->	Black	5.0	PU12MBLK500	<-->	Black	24.0
PU12MBLU100	<-->	Blue		PU12MBLU500	<-->	Blue	
PU12MCLR100	<-->	Clear		PU12MCLR500	<-->	Clear	
PU12MCBL100	<-->	Clear Blue		PU12MCBL500	<-->	Clear Blue	
PU12MRRED100	<-->	Red		PU12MRRED500	<-->	Red	
PU12MYEL100	<-->	Yellow		PU12MYEL500	<-->	Yellow	

Polyurethane 16 mm Tubing Specifications							
<b>Outside Diameter (mm)</b>	16.0	<b>Working Pressure (psi) @ 70° F</b>		150	<b>Temp. Range</b>		-40°F to +160°F (-40°C to +71°C)
<b>Inside Diameter (mm)</b>	11.0	<b>Burst Pressure (psi)</b>		450	<b>Hardness</b>		Shore A 98
<b>Wall Thickness (mm)</b>	2.5	<b>Vacuum Rating</b>		To 28" Hg	<b>Bend Radius (mm)</b>		30.0
100 ft. Package Length				250 ft. Reel Length			
Part Number	Price	Color	PKG WT (lbs)	Part Number	Price	Color	PKG WT (lbs)
PU16MBLK100	<-->	Black	8.35	PU16MBLK250	<-->	Black	23.20
PU16MBLU100	<-->	Blue		PU16MBLU250	<-->	Blue	
PU16MCLR100	<-->	Clear		PU16MCLR250	<-->	Clear	
PU16MCBL100	<-->	Clear Blue		PU16MCBL250	<-->	Clear Blue	

## 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-20	NITRA pneumatic heavy duty tubing cutter for use with polyurethane, nylon and other flexible tubing up to 2 inch (50mm) outside diameter.	1	0.2	<-->	



TC-12



TC-20