



MANUFACTURERS OF PRECISION-MADE  
POLYURETHANE SPIRAL HOSE & TUBING



**ADVANCED  
TECHNOLOGY  
PRODUCTS**

# TUBING

Polyurethane  
Polyethylene LLDPE  
Nylon 12  
PTFE • FEP  
PVC

September 2003

 A MEMBER OF THE GLOBAL PNEUMATIC MARKETING GROUP 

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ATP polyurethane tubing is made from the highest quality raw materials available. It is ether-based to provide excellent hydrolysis, oil and cold resistance. PUR 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.

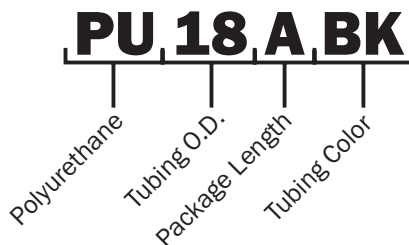
ATP's polyurethane tubing has an outside diameter made to extremely tight tolerances. It ideal for use with push-to-connect fittings, as well as barb-type and compression fittings for simple installation.

Available in lengths from 100 feet to 1000 feet, and from 25 meters to 100 meters.

## Specifications

Temperature Range ..... -68 °F to +140 °F  
Durometer ..... Shore A 98

## Part Numbering System



## Package Lengths

A ..... 100'      E ..... 25 Meters  
B ..... 250'      F ..... 100 Meters  
C ..... 500'  
D ..... 1000'

## Colors Available

BK ..... Black      LG ..... Light Green  
C ..... Clear      NB ..... Navy Blue  
CB ..... Clear Blue      OR ..... Orange\*  
G ..... Green      R ..... Red  
GY ..... Grey\*      Y ..... Yellow  
LB ..... Light Blue      W ..... White

\*Not standard stock colors, please check for availability before ordering.

## Custom

Custom sizes, colors, lengths and durometers are available with minimum order quantity.

## Features

Strong  
Lightweight  
Flexible  
Abrasion Resistant  
Heat & Cold Resistant  
Chemical Resistant  
NSF Approved  
Twelve Colors Available

## Applications

Pneumatic Tools  
Pneumatic Piping  
Vacuum  
Laboratories  
Robotics  
Motion Control  
Instrumentation  
Agriculture  
Ship Piping  
Chemical Plant  
Lubrication Systems  
Painting Systems

## Fractional Sizes

Size	Part Number	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70°F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
1/8"	PU18A__	.125	.062	.031	.004	.004	240	720	100'	23.00
	PU18B__	.125	.062	.031	.004	.004	240	720	250'	57.50
	PU18C__	.125	.062	.031	.004	.004	240	720	500'	115.00
	PU18D__	.125	.062	.031	.004	.004	240	720	1000'	230.00
	PU18E__	.125	.062	.031	.004	.004	240	720	25M	18.87
	PU18F__	.125	.062	.031	.004	.004	240	720	100M	75.46
5/32"	PU532A__	.156	.093	.031	.004	.004	200	600	100'	27.00
	PU532B__	.156	.093	.031	.004	.004	200	600	250'	67.50
	PU532C__	.156	.093	.031	.004	.004	200	600	500'	135.00
	PU532D__	.156	.093	.031	.004	.004	200	600	1000'	270.00
	PU532E__	.156	.093	.031	.004	.004	200	600	25M	22.15
	PU532F__	.156	.093	.031	.004	.004	200	600	100M	88.59
3/16"	PU316A__	.187	.125	.031	.004	.004	150	450	100'	30.00
	PU316B__	.187	.125	.031	.004	.004	150	450	250'	75.00
	PU316C__	.187	.125	.031	.004	.004	150	450	500'	150.00
	PU316D__	.187	.125	.031	.004	.004	150	450	1000'	300.00
	PU316E__	.187	.125	.031	.004	.004	150	450	25M	24.61
	PU316F__	.187	.125	.031	.004	.004	150	450	100M	98.43
1/4"	PU14A__	.250	.156	.047	.004	.004	180	540	100'	48.00
	PU14B__	.250	.156	.047	.004	.004	180	540	250'	120.00
	PU14C__	.250	.156	.047	.004	.004	180	540	500'	240.00
	PU14D__	.250	.156	.047	.004	.004	180	540	1000'	480.00
	PU14E__	.250	.156	.047	.004	.004	180	540	25M	39.37
	PU14F__	.250	.156	.047	.004	.004	180	540	100M	157.49
5/16"	PU516A__	.312	.187	.063	.004	.004	175	525	100'	76.00
	PU516B__	.312	.187	.063	.004	.004	175	525	250'	190.00
	PU516C__	.312	.187	.063	.004	.004	175	525	500'	380.00
	PU516E__	.312	.187	.063	.004	.004	175	525	25M	62.34
	PU516F__	.312	.187	.063	.004	.004	175	525	100M	249.36
3/8"	PU38A__	.375	.250	.063	.004	.006	150	450	100'	98.00
	PU38B__	.375	.250	.063	.004	.006	150	450	250'	245.00
	PU38C__	.375	.250	.063	.004	.006	150	450	500'	490.00
	PU38E__	.375	.250	.063	.004	.006	150	450	25M	80.38
	PU38F__	.375	.250	.063	.004	.006	150	450	100M	321.54
1/2"	PU12A__	.500	.328	.086	.004	.006	150	450	100'	188.00
	PU12B__	.500	.328	.086	.004	.006	150	450	250'	470.00
	PU12E__	.500	.328	.086	.004	.006	150	450	25M	154.21
9/16"	PU916A__	.562	.375	.093	.004	.006	140	420	100'	234.00
	PU916B__	.562	.375	.093	.004	.006	140	420	250'	585.00
	PU916E__	.562	.375	.093	.004	.006	140	420	25M	191.94
5/8"	PU58A__	.625	.406	.109	.004	.006	150	450	100'	280.00
	PU58B__	.625	.406	.109	.004	.006	150	450	250'	700.00
	PU58E__	.625	.406	.109	.004	.006	150	450	25M	229.67
3/4"	PU34A__	.750	.500	.125	.005	.006	140	420	100'	392.00
	PU34B__	.750	.500	.125	.005	.006	140	420	250'	980.00
	PU34E__	.750	.500	.125	.005	.006	140	420	25M	321.54

## Metric Sizes

Size	Part Number	O.D. (mm)	I.D. (mm)	Wall Thickness (mm)	Tolerance (mm)		W.P. @ 70° F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
4mm	PU04MA__	4.0	2.5	0.750	.102	.102	200	600	100'	28.00
	PU04MB__	4.0	2.5	0.750	.102	.102	200	600	250'	70.00
	PU04MC__	4.0	2.5	0.750	.102	.102	200	600	500'	140.00
	PU04MD__	4.0	2.5	0.750	.102	.102	200	600	1000'	280.00
	PU04ME__	4.0	2.5	0.750	.102	.102	200	600	25M	22.97
	PU04MF__	4.0	2.5	0.750	.102	.102	200	600	100M	91.88
6mm	PU06MA__	6.0	4.0	1.000	.102	.102	180	540	100'	42.00
	PU06MB__	6.0	4.0	1.000	.102	.102	180	540	250'	105.00
	PU06MC__	6.0	4.0	1.000	.102	.102	180	540	500'	210.00
	PU06MD__	6.0	4.0	1.000	.102	.102	180	540	1000'	420.00
	PU06ME__	6.0	4.0	1.000	.102	.102	180	540	25M	34.45
	PU06MF__	6.0	4.0	1.000	.102	.102	180	540	100M	137.80
8mm	PU08MA__	8.0	5.0	1.500	.102	.102	175	525	100'	74.00
	PU08MB__	8.0	5.0	1.500	.102	.102	175	525	250'	185.00
	PU08MC__	8.0	5.0	1.500	.102	.102	175	525	500'	370.00
	PU08MD__	8.0	5.0	1.500	.102	.102	175	525	1000'	740.00
	PU08ME__	8.0	5.0	1.500	.102	.102	175	525	25M	60.70
	PU08MF__	8.0	5.0	1.500	.102	.102	175	525	100M	242.80
10mm	PU10MA__	10.0	6.5	1.750	.102	.150	150	450	100'	103.00
	PU10MB__	10.0	6.5	1.750	.102	.150	150	450	250'	257.50
	PU10MC__	10.0	6.5	1.750	.102	.150	150	450	500'	515.00
	PU10MD__	10.0	6.5	1.750	.102	.150	150	450	1000'	1,030.00
	PU10ME__	10.0	6.5	1.750	.102	.150	150	450	25M	84.49
	PU10MF__	10.0	6.5	1.750	.102	.150	150	450	100M	337.96
12mm	PU12MA__	12.0	8.0	2.000	.102	.150	150	450	100'	164.00
	PU12MB__	12.0	8.0	2.000	.102	.150	150	450	250'	410.00
	PU12MC__	12.0	8.0	2.000	.102	.150	150	450	500'	820.00
	PU12ME__	12.0	8.0	2.000	.102	.150	150	450	25M	134.52
	PU12MF__	12.0	8.0	2.000	.102	.150	150	450	100M	538.08
16mm	PU16MA__	16.0	11.0	2.500	.102	.150	150	450	100'	250.00
	PU16MB__	16.0	11.0	2.500	.102	.150	150	450	250'	625.00
	PU16MC__	16.0	11.0	2.500	.102	.150	150	450	500'	1,250.00
	PU16ME__	16.0	11.0	2.500	.102	.150	150	450	25M	205.06
	PU16MF__	16.0	11.0	2.500	.102	.150	150	450	100M	820.24

## Colors Available

BK .....	Black	LG .....	Light Green
C .....	Clear	NB .....	Navy Blue
CB .....	Clear Blue	OR .....	Orange*
G .....	Green	R .....	Red
GY .....	Grey*	Y .....	Yellow
LB .....	Light Blue	W .....	White

\*Not standard stock colors, please check for availability before ordering.

# Polyethylene LLDPE



## Linear Low Density Polyethylene Tubing

LLDPE is made from 100% non-toxic ingredients. It's inert nature and FDA approved 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.

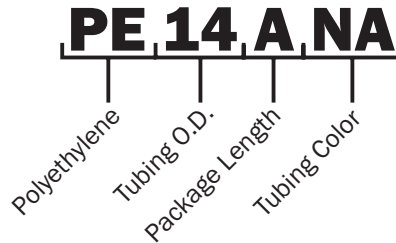
Polyethylene is highly-resistant to stress cracking from chemicals, aging and ultraviolet exposure.

For use with barb-type, push-to-connect or compression-style fittings.

## Specifications

Temperature Range ..... -50° F to +140° F

## Part Numbering System



## Package Lengths

A ..... 100'  
 B ..... 250'  
 C ..... 500'  
 D ..... 1000'

## Colors Available

BK..... Black  
 G..... Green  
 NA ..... Natural  
 NB ..... Navy Blue  
 R ..... Red  
 Y..... Yellow

## Custom

Custom sizes, colors, lengths and densities (LDPE, MDPE, HDPE) are available with minimum order quantity.

## Features

- Chemically Inert
- Chemical Resistant
- Lightweight & Flexible
- Good Dielectric Properties
- Impermeable to Gasses
- FDA Approved
- Six Colors Available

## Applications

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

Size	Part Number	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70° F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
1/4"	PE14A__	.250	.170	.040	.005	.005	150	450	100'	5.29
	PE14B__	.250	.170	.040	.005	.005	150	450	250'	13.21
	PE14C__	.250	.170	.040	.005	.005	150	450	500'	26.43
	PE14D__	.250	.170	.040	.005	.005	150	450	1000'	52.86
3/8"	PE38A__	.375	.250	.062	.005	.005	125	375	100'	11.06
	PE38B__	.375	.250	.062	.005	.005	125	375	250'	27.64
	PE38C__	.375	.250	.062	.005	.005	125	375	500'	55.29
	PE38D__	.375	.250	.062	.005	.005	125	375	1000'	110.57
1/2"	PE12A__	.500	.375	.062	.005	.005	100	300	100'	15.97
	PE12B__	.500	.375	.062	.005	.005	100	300	250'	39.93
	PE12C__	.500	.375	.062	.005	.005	100	300	500'	79.86

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# Nylon 12



Nylon tubing is recognized as an industry standard for applications which require higher working pressures and higher heat and/or chemical resistance than our polyurethane tubing.

Nylon 12 is strong, lightweight and has a very low moisture absorption rate compared to other nylons. By not absorbing moisture, Nylon 12 will remain more flexible, which in turn extends its service life.

Nylon tubing can be used with standard push-to-connect fittings and compression fittings for simple installation.

## Specifications

Temperature Range ..... -60 °F to +200 °F

## Part Numbering System



## Package Lengths

A ..... 100'	E ..... 25 Meters
B ..... 250'	F ..... 100 Meters
C ..... 500'	
D ..... 1000'	

## Colors Available

BK ..... Black	NB ..... Navy Blue
BR ..... Brown	OR ..... Orange
G ..... Green	R ..... Red
GY ..... Grey	Y ..... Yellow
NA ..... Natural	W ..... White

## Custom

Custom sizes, colors, lengths and durometers are available with minimum order quantity.

## Features

- Strong
- Lightweight
- Flexible
- Abrasion Resistant
- Heat Resistant
- Chemical Resistant
- Ten Colors Available

## Applications

- Pneumatic Tools
- Pneumatic Piping
- Instrumentation
- Lube Lines
- Coolants
- Refrigeration
- Chemical Transfer
- Vacuum
- Process Control
- Fuel Lines
- Paint Supply Lines
- Laboratories

## Fractional Sizes

Size	Part Number	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70°F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
1/8"	N18A__	.125	.080	.022	.004	.004	225	675	100	10.29
	N18B__	.125	.080	.022	.004	.004	225	675	250	25.71
	N18C__	.125	.080	.022	.004	.004	225	675	500	51.43
	N18D__	.125	.080	.022	.004	.004	225	675	1000	102.86
5/32"	N532A__	.156	.106	.025	.004	.004	250	750	100	13.57
	N532B__	.156	.106	.025	.004	.004	250	750	250	33.93
	N532C__	.156	.106	.025	.004	.004	250	750	500	67.86
	N532D__	.156	.106	.025	.004	.004	250	750	1000	135.71
1/4"	N14A__	.250	.180	.035	.004	.004	250	750	100	22.83
	N14B__	.250	.180	.035	.004	.004	250	750	250	57.07
	N14C__	.250	.180	.035	.004	.004	250	750	500	114.14
	N14D__	.250	.180	.035	.004	.004	250	750	1000	228.29
3/8"	N38A__	.375	.275	.050	.005	.006	250	750	100'	49.20
	N38B__	.375	.275	.050	.005	.006	250	750	250'	123.00
	N38C__	.375	.275	.050	.005	.006	250	750	500'	246.00
	N38D__	.375	.275	.050	.005	.006	250	750	1000'	492.00
1/2"	N12A__	.500	.375	.062	.006	.006	200	600	100'	83.14
	N12B__	.500	.375	.062	.006	.006	200	600	250'	207.86
	N12C__	.500	.375	.062	.006	.006	200	600	500'	415.71

## Metric Sizes

Size	Part Number	O.D. (mm)	I.D. (mm)	Wall Thickness (mm)	Tolerance (mm)		W.P. @ 70°F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
4mm	N04ME__	4.0	2.3	0.85	.102	.102	250	750	25M	12.91
	N04MF__	4.0	2.3	0.85	.102	.102	250	750	100M	51.66
6mm	N06ME__	6.0	4.0	1.0	.102	.102	250	750	25M	23.94
	N06MF__	6.0	4.0	1.0	.102	.102	250	750	100M	95.77
8mm	N08ME__	8.0	6.0	1.0	.102	.102	250	750	25M	33.69
	N08MF__	8.0	6.0	1.0	.102	.102	250	750	100M	134.74
10mm	N10ME__	10.0	8.0	1.0	.127	.152	250	600	25M	43.29
	N10MF__	10.0	8.0	1.0	.127	.152	250	600	100M	173.14
12mm	N12ME__	12.0	10.0	1.0	.152	.152	200	600	25M	53.17
	N12MF__	12.0	10.0	1.0	.152	.152	200	600	100M	212.69
14mm	N14ME__	14.0	10.0	2.0	.152	.152	200	600	25M	107.89
	N14MF__	14.0	10.0	2.0	.152	.152	200	600	100M	431.54
16mm	N16ME__	16.0	12.5	1.75	.152	.152	175	525	25M	120.09
	N16MF__	16.0	12.5	1.75	.152	.152	175	525	100M	480.34



## Features & Specifications

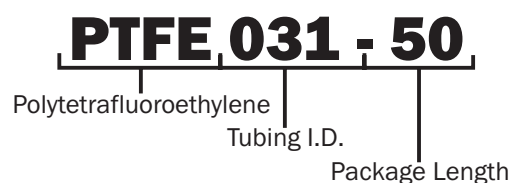
- Maximum working temperature 500° F and as low as -454° F
- Chemical inertness: Only alkaline metals in the molten state or in solution, fluorine at high temperatures and certain halogenated compounds such as chlorinetrifluoride, are capable of attacking PTFE.
- Does not support combustion
- Easy to clean
- FDA-approved raw material
- USP Class VI approval
- Low extractables
- Biocompatibility
- Good dielectric properties
- Lowest coefficient of friction
- Exceptional resistance to degeneration of mechanical properties under severe conditions
- Flame rating: UL94V0
- Limiting oxygen index greater than 95
- Can be extruded with fillers to enhance abrasion-resistance properties or radiopacity
- ETO and autoclave sterilizable
- R O Fillers
- Tight tolerances
- Available in tubing, special profile, heat shrink and other configurations
- Etching available
- ASTM-D3295
- Complies with UL-224

## Applications

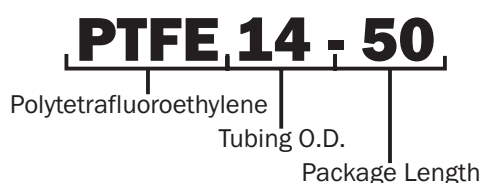
- Aerospace & Aviation
- Chemical Processing
- Medical
- Electronic
- Automotive
- Industrial & Mechanical

## Part Numbering System

*Industrial Specification Tubing  
Specified by I.D.*



*Heavy Construction Tubing  
Specified by O.D.*



## Package Lengths

Sizes up to 3/4" are available in 50 & 100 foot continuous lengths. Sizes over 3/4" are priced per foot and are shipped in random coil lengths.

50.....	50'
100 .....	100'

## Colors Available

NA ..... Natural

## Custom

Custom sizes, colors and lengths are available with minimum order quantity. Additional resins are available by contacting ATP.



	Part Number	I.D. (IN)	O.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70°F (PSI)	4:1 Burst Pressure	Package Length	List Price
					+	-				
<b>Industrial Specification— Specified By I.D.</b>	PTFE031-50	.031	.063	.015	.004	.004	381	1525	50	30.00
	PTFE031-100	.031	.063	.015	.004	.004	381	1525	100	60.00
	PTFE063-50	.063	.125	.030	.005	.005	372	1485	50	37.14
	PTFE063-100	.063	.125	.030	.005	.005	372	1485	100	74.29
	PTFE094-50	.094	.156	.030	.005	.005	292	1165	50	47.14
	PTFE094-100	.094	.156	.030	.005	.005	292	1165	100	94.29
	PTFE125-50	.125	.188	.030	.005	.005	242	965	50	52.86
	PTFE125-100	.125	.188	.030	.005	.005	242	965	100	105.71
	PTFE188-50	.188	.250	.030	.005	.005	174	695	50	71.43
	PTFE188-100	.188	.250	.030	.005	.005	174	695	100	142.86
	PTFE250-50	.250	.313	.030	.005	.005	138	550	50	97.14
	PTFE250-100	.250	.313	.030	.005	.005	138	550	100	194.29
	PTFE313-50	.313	.375	.030	.005	.005	112	450	50	131.43
	PTFE313-100	.313	.375	.030	.005	.005	112	450	100	262.86
	PTFE375-50	.375	.438	.030	.005	.005	96	385	50	152.86
	PTFE375-100	.375	.438	.030	.005	.005	96	385	100	305.71
	PTFE438-50	.438	.500	.030	.005	.006	82	330	50	180.00
	PTFE438-100	.438	.500	.030	.005	.006	82	330	100	360.00
	PTFE500-50	.500	.563	.030	.006	.006	74	295	50	212.86
	PTFE500-100	.500	.563	.030	.006	.006	74	295	100	425.71
	PTFE563-50	.563	.625	.030	.006	.006	65	260	50	232.86
	PTFE563-100	.563	.625	.030	.006	.006	65	260	100	465.71
	PTFE625-50	.625	.688	.030	.006	.006	60	240	50	260.00
	PTFE625-100	.625	.688	.030	.006	.006	60	240	100	520.00
PTFE688-50	.688	.750	.032	.006	.006	54	215	50	300.00	
PTFE688-100	.688	.750	.032	.006	.006	54	215	100	600.00	
PTFE750-50	.750	.830	.040	.006	.006	63	250	50	418.57	
PTFE750-100	.750	.830	.040	.006	.006	63	250	100	837.14	
PTFE875__	.875	.965	.045	.006	.006	60	240	Per Ft.	10.94	
PTFE1000__	1.000	1.100	.045	.010	.010	59	238	Per Ft.	14.49	
PTFE1125__	1.125	1.215	.050	.015	.015	48	192	Per Ft.	16.94	
PTFE1250__	1.250	1.340	.045	.015	.015	43	175	Per Ft.	21.49	
PTFE1500__	1.500	1.580	.040	.015	.015	32	130	Per Ft.	25.51	

<b>Heavy Construction Specification— Specified by O.D.</b>	PTFE14-50	.125	.250	.063	.005	.005	375	1500	50	138.57
	PTFE14-100	.125	.250	.063	.005	.005	375	1500	100	277.14
	PTFE14X532-50	.156	.250	.047	.005	.005	275	1100	50	130.00
	PTFE14X532-100	.156	.250	.047	.005	.005	275	1100	100	260.00
	PTFE516-50	.188	.313	.063	.005	.005	294	1175	50	202.86
	PTFE516-100	.188	.313	.063	.005	.005	294	1175	100	405.71
	PTFE38-50	.250	.375	.063	.005	.005	240	960	50	290.00
	PTFE38-100	.250	.375	.063	.005	.005	240	960	100	580.00
	PTFE716-50	.313	.438	.063	.005	.005	202	810	50	391.43
	PTFE716-100	.313	.438	.063	.005	.005	202	810	100	782.86
	PTFE12-50	.375	.500	.063	.006	.006	175	700	50	415.71
	PTFE12-100	.375	.500	.063	.006	.006	175	700	100	831.43
	PTFE916-50	.438	.563	.063	.006	.006	154	615	50	498.57
	PTFE916-100	.438	.563	.063	.006	.006	154	615	100	997.14
	PTFE58-50	.500	.625	.063	.006	.006	137	550	50	578.57
	PTFE58-100	.500	.625	.063	.006	.006	137	550	100	1,157.14
	PTFE1116-50	.563	.688	.063	.006	.006	124	495	50	662.86
	PTFE1116-100	.563	.688	.063	.006	.006	124	495	100	1,325.71
	PTFE34-50	.625	.750	.063	.006	.006	113	450	50	782.86
	PTFE34-100	.625	.750	.063	.006	.006	113	450	100	1,565.71
PTFE1316__	.688	.813	.063	.006	.006	103	415	Per Ft.	16.06	
PTFE78__	.750	.875	.063	.006	.006	96	380	Per Ft.	17.74	
PTFE1__	.875	1.000	.063	.010	.010	83	330	Per Ft.	20.54	

## Features & Specifications

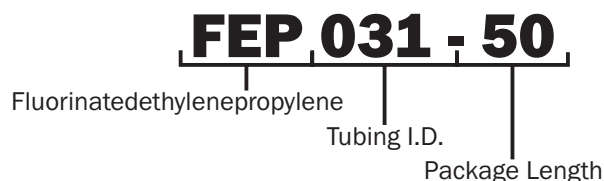
- Maximum working temperature 400 °F
- Chemical resistant
- Easy to clean
- FDA approved raw material
- USP Class VI approved
- Excellent transmission of ultraviolet rays
- Lower gas permeability than PTFE
- Melt weldable
- Thermoformable
- Can be made bondable by surface treatment
- Excellent electrical insulator
- Low absorption of solvents (less than 1%)
- Gases and vapors permeate at a rate that is considerably lower than that of most plastics
- Unaffected by weather, extreme heat, or cold temperatures
- Flame Rating: UL 94 V0 (VW-1 rated)
- Limiting oxygen index greater than 95
- Gamma, ETO, e-beam and autoclave sterilizable
- Fillers are available to enhance properties
- Tight tolerances
- L-P-387a, ASTM-D-2116, SPI-FD-11

## Applications

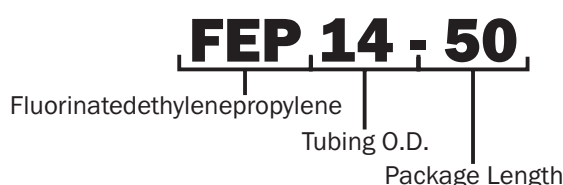
- Aerospace & Aviation
- Chemical Processing
- Medical
- Electronic
- Automotive
- Industrial & Mechanical

## Part Numbering System

### Industrial Specification Tubing Specified by I.D.



### Heavy Construction Tubing Specified by O.D.



## Package Lengths

Sizes up to 3/4" are available in 50 & 100 foot continuous lengths. Sizes over 3/4" are priced per foot and are shipped in random coil lengths.

50.....	50'
100 .....	100'

## Colors Available

NA ..... Natural

## Custom

Custom sizes, colors and lengths are available with minimum order quantity. Additional resins are available by contacting ATP.

	Part Number	I.D. (IN)	O.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70°F (PSI)	4:1 Burst Pressure	Package Length	List Price
					+	-				
Industrial Specification— Specified By I.D.	FEP031-50	.031	.063	.015	.004	.004	458	1830	50	28.57
	FEP031-100	.031	.063	.015	.004	.004	458	1830	100	57.14
	FEP063-50	.063	.125	.030	.005	.005	446	1785	50	35.71
	FEP063-100	.063	.125	.030	.005	.005	446	1785	100	71.43
	FEP094-50	.094	.156	.030	.005	.005	350	1402	50	55.71
	FEP094-100	.094	.156	.030	.005	.005	350	1402	100	111.43
	FEP125-50	.125	.188	.030	.005	.005	290	1160	50	61.43
	FEP125-100	.125	.188	.030	.005	.005	290	1160	100	122.86
	FEP188-50	.188	.250	.030	.005	.005	208	833	50	82.86
	FEP188-100	.188	.250	.030	.005	.005	208	833	100	165.71
	FEP250-50	.250	.313	.030	.005	.005	166	663	50	98.57
	FEP250-100	.250	.313	.030	.005	.005	166	663	100	197.14
	FEP313-50	.313	.375	.030	.005	.005	134	536	50	127.14
	FEP313-100	.313	.375	.030	.005	.005	134	536	100	254.29
	FEP375-50	.375	.438	.030	.005	.005	116	462	50	145.71
	FEP375-100	.375	.438	.030	.005	.005	116	462	100	291.43
	FEP438-50	.438	.500	.030	.005	.006	99	395	50	192.86
	FEP438-100	.438	.500	.030	.005	.006	99	395	100	385.71
	FEP500-50	.500	.563	.030	.006	.006	89	354	50	214.29
	FEP500-100	.500	.563	.030	.006	.006	89	354	100	428.57
FEP563-50	.563	.625	.030	.006	.006	78	312	50	245.71	
FEP563-100	.563	.625	.030	.006	.006	78	312	100	491.43	
FEP625-50	.625	.688	.030	.006	.006	72	287	50	267.14	
FEP625-100	.625	.688	.030	.006	.006	72	287	100	531.29	
FEP688-50	.688	.750	.032	.006	.006	65	258	50	291.43	
FEP688-100	.688	.750	.032	.006	.006	65	258	100	582.86	
FEP750-50	.750	.830	.040	.006	.006	76	303	50	405.71	
FEP750-100	.750	.830	.040	.006	.006	76	303	100	811.43	
FEP875	.875	.965	.045	.006	.006	73	293	Per Ft.	10.74	
FEP1000	1.000	1.100	.045	.010	.010	71	285	Per Ft.	13.46	
FEP1125	1.125	1.215	.050	.015	.015	58	230	Per Ft.	14.97	
FEP1500	1.500	1.580	.040	.015	.015	39	156	Per Ft.	17.00	

Heavy Construction Specification— Specified by O.D.	FEP14-50	.125	.250	.063	.005	.005	450	1800	50	150.00
	FEP14-100	.125	.250	.063	.005	.005	450	1800	100	300.00
	FEP14X532-50	.156	.250	.047	.005	.005	330	1320	50	140.00
	FEP14X532-100	.156	.250	.047	.005	.005	330	1320	100	280.00
	FEP516-50	.188	.313	.063	.005	.005	352	1410	50	192.86
	FEP516-100	.188	.313	.063	.005	.005	352	1410	100	385.71
	FEP38-50	.250	.375	.063	.005	.005	288	1154	50	244.29
	FEP38-100	.250	.375	.063	.005	.005	288	1154	100	488.57
	FEP716-50	.313	.438	.063	.005	.005	243	972	50	295.71
	FEP716-100	.313	.438	.063	.005	.005	243	972	100	591.43
	FEP12-50	.375	.500	.063	.006	.006	210	840	50	355.71
	FEP12-100	.375	.500	.063	.006	.006	210	840	100	711.43
	FEP916-50	.438	.563	.063	.006	.006	185	738	50	392.86
	FEP916-100	.438	.563	.063	.006	.006	185	738	100	785.71
	FEP58-50	.500	.625	.063	.006	.006	165	660	50	450.00
	FEP58-100	.500	.625	.063	.006	.006	165	660	100	900.00
	FEP1116-50	.563	.688	.063	.006	.006	148	594	50	504.29
	FEP1116-100	.563	.688	.063	.006	.006	148	594	100	1,008.57
	FEP34-50	.625	.750	.063	.006	.006	135	541	50	557.14
	FEP34-100	.625	.750	.063	.006	.006	135	541	100	1,114.29
FEP1316	.688	.813	.063	.006	.006	124	496	Per Ft.	12.00	
FEP78	.750	.875	.063	.006	.006	115	460	Per Ft.	13.26	
FEP1	.875	1.000	.063	.010	.010	100	400	Per Ft.	14.97	

# PVC Polyvinylchloride

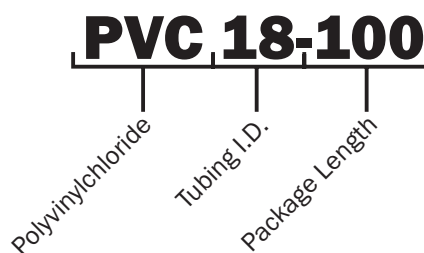


PVC is suited for general, low-pressure, industrial applications for the conveyance of liquids and solids of suitable granular size. The tubing is made from a PVC compound that complies with FDA regulations. Although it is primarily intended for applications where pressure is not essential, it will withstand the pressures shown. The clear PVC tubing provides good chemical resistance, is lightweight and economically priced.

## Specifications

Temperature Range ..... -60° F to +200° F  
 Standard Color\* ..... Clear

## Part Numbering System



## Package Lengths

100 ..... 100'  
 200 ..... 200'

## Custom

## Colors Available

C ..... Clear

Custom sizes and lengths are available with minimum order quantity. Additional resins are available by contacting ATP.

- Features**
- Lightweight
  - Flexible
  - Food Grade
  - Clear Color
- Applications**
- Beverage Dispensing
  - Drain Tubing
  - Coolants
  - Food Processing
  - Refrigeration & Cooling
  - Dairy Processing
  - Spray Systems
  - Photo Finishing
  - Pools & Spas
  - Instrumentation
  - Agriculture
  - Chemical Transfer

Size	Part Number	O.D. (IN)	I.D. (IN)	Wall Thickness (IN)	Tolerance (IN)		W.P. @ 70° F (PSI)	3:1 Burst Pressure	Package Length	List Price
					+	-				
1/8"	PVC18-200	.250	.125	.062	.010	.010	65	195	200	21.71
3/16"	PVC316-200	.312	.187	.062	.010	.010	55	165	200	25.71
1/4"	PVC14-200	.437	.250	.093	.010	.010	55	165	200	44.57
5/16"	PVC516-200	.500	.312	.094	.010	.010	55	165	200	52.57
3/8"	PVC38-200	.562	.375	.093	.010	.010	50	150	200	59.09
1/2"	PVC12-200	.750	.500	.125	.010	.010	50	150	200	108.00
5/8"	PVC58-100	.875	.625	.125	.010	.010	40	120	100	64.11
3/4"	PVC34-100	1.000	.750	.125	.015	.015	35	105	100	78.51
1"	PVC1-100	1.250	1.000	.125	.015	.015	30	90	100	98.57

# Chemical Resistance



	Polyurethane	Nylon 12	Polyethylene	PVC	PTFE • FEP
<b>Acids</b>					
Acetic, 3n	B	E	A	A	A
Boric, 4%	B	A	A	A	A
Chromic, 3n	D	E	A	A	A
Citronic, 3n	B	—	A	A	A
Formic, 3n	D	A	A	A	A
HC1, 3n	A	E	A	A	A
Lactic, 3n	C	B	A	A	A
Nitric, 3n	D	E	A	A	A
Phosphoric, 3n	D	D	A	A	A
Sulfuric, <20%	A	B	A	A	A
Sulfuric, >20%	B	C	B	A	A
<b>Alkalines</b>					
Ammonia, 3n	A	A	—	A	A
Potassium Hydroxide, 3n	A	—	A	A	A
Sodium Hydroxide, <20%	A	A	A	A	A
Sodium Hydroxide, >20%	C	A	—	A	A
<b>Aqueous Solution</b>					
Aluminum Chloride, 10%	B	—	A	A	A
Ammonium Chloride, 10%	B	A	A	A	A
Bleaching Agent, 40%	A	E	—	—	A
Bleaching Agent, 100%	B	E	—	—	A
Calcium Chloride, 40%	B	A	A	—	A
Caustic Soda, 10%	A	A	—	—	A
Ferric Chloride, 10%	B	—	A	A	A
Hydrogen Peroxide, 3%	A	A	A	A	A
Magnesium Chloride, 30%	B	—	A	A	A
Potassium Chloride, 40%	B	A	A	—	A
Potassium Dichromate, 10%	B	C	A	—	A
Potassium Permanganate, 5%	D	D	A	—	A
Sea Water	A	A	A	A	A
Sodium Bisulfate, 10%	B	A	A	—	A
Sodium Chloride, 10%	B	B	A	—	A
Sodium Hypochlorite, PH 13	A	B	A	—	A
<b>Fuels</b>					
ASTM Fuel A	A	—	—	B	A
ASTM Fuel B	C	—	—	C	A
ASTM Fuel C	C	—	—	—	A
Diesel Fuel	B	A	—	B	A
Gasohol (10-15% Methanol)	D	—	—	—	A
High-test (Super) Gasoline	D	A	—	—	A
Kerosene	A	V	—	B	A
<b>Oils</b>					
ASTM Oil #1	A	—	—	B	A
ASTM Oil #2	A	—	—	—	A
ASTM Oil #3	A	—	—	B	A
Brake Fluid (ATE or ATS)	D	A	—	—	A
Gear Box Oil (SAE 90)	A	—	—	—	A
Hydraulic Fluid	B	—	—	—	A
Hydraulic/Water Emulsion	B	—	—	—	A
Mineral Oil	A	A	C	A	A
Motor Oil	A	A	B	—	A
Paraffin Oil	A	A	—	A	A
Power Steering Fluid	B	—	—	—	A
Skydrol® 500 Oil	D	—	—	—	A

	Polyurethane	Nylon 12	Polyethylene	PVC	PTFE • FEP
<b>Greases</b>					
Calcium Grease	A	—	—	—	A
Sodium Grease	A	—	—	—	A
Teflon® Grease	A	—	—	—	A
<b>Miscellaneous</b>					
Diocetyl Phthalate (DOP)	A	—	C	C	A
Ethylene Chloride	B	C	D	—	A
Ethylene Glycol/Water 50/50	B	—	—	A	A
Household Cleaner	B	—	—	—	A
Naptha	A	—	A	B	A
Silage (Silo) Juice	B	—	—	—	A
Natural Perspiration	A	—	—	—	A
Tincture of Iodine	D	—	—	—	A
Tricresyl Phosphate	D	—	—	C	A
<b>Solvents</b>					
Acetone	D	A	D	C	A
Aniline	D	B	B	B	A
Benzene	D	A	D	C	A
Benzyl Alcohol	E	—	—	—	A
Butane	B	A	—	—	A
Butyl Acetate	D	A	B	C	A
Butyl Alcohol	D	A	A	—	A
Carbon Tetrachloride	D	A	D	C	A
Chlorobenzene	D	C	D	C	A
Chloroform	D	C	D	C	A
Cyclohexane	C	A	—	A	A
Ethanol	C	—	B	—	A
Ether	C	A	—	—	A
Ethyl Acetate	D	A	C	C	A
Freon 11, 12, 22	C	—	—	—	A
Glycerine & Glycol	A	A	B	A	A
Heptane	B	A	D	B	A
Hexane	B	A	—	B	A
Isopropyl Alcohol	C	A	—	—	A
Methanol	C	—	B	—	A
Methyl Acetate	D	—	—	C	A
Methyl Ethyl Ketone	C	A	—	C	A
Methyl Glycol	D	—	—	—	A
Methylene Chloride	D	E	D	C	A
N-Methyl Pyrrolidone	E	—	—	—	A
Perchloroethylene	D	—	—	C	A
Petroleum	B	A	—	—	A
Pyridine	E	A	—	—	A
Tetrachloroethylene	D	—	—	C	A
Tetrahydrofuran	D	B	D	C	A
Toluene	D	A	D	C	A
Trichloroethylene	D	C	D	C	A
Turpentine (Pine Oil)	B	A	C	B	A
Xylene	D	A	—	C	A

Teflon® is a registered trademark of the Dupont Corporation.  
Skydrol® is a registered trademark of Monsanto Company.

#### RESISTANCE RATING:

A . . . . . Excellent (0-3%)  
 B . . . . . Good (4-15%)  
 C . . . . . Fair (16-30%)  
 D . . . . . Poor (>30%)  
 E . . . . . Dissolves

#### WARNING:

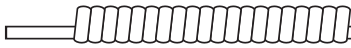
This table is a general guide based on our testing. Although every effort was made to ensure its accuracy, we cannot guarantee your results due to variables in temperature and application. Therefore, no warranty is expressed or implied, and the user assumes all risk and liability.

Product	Specifications
<b>PVC Hose:</b>	<b>Clear and Colors 65 To 85 Durometer Sizes 1/16" ID Through 2-1/2" ID* Wall Sizes to 1/4" FDA Approved Coils and Cut Lengths</b>
<b>Polyurethane Hose:</b>	<b>Natural and Colors 80 To 95 Durometer Sizes 1/16" ID Through 1" ID* Wall Sizes to 1/8" Coils and Cut Lengths</b>
<b>EVA Hose (Anhydrous Ammonia):</b>	<b>Natural and Colors 8% And 21% Sizes 1/16" ID Through 1-1/2" ID* Wall Sizes to 1/4" FDA Approved Coils and Cut Lengths</b>
<b>Polyethylene Tubing:</b>	<b>Natural and Colors LDPE, MDPE and HDPE Sizes 1/8" OD Through 2-1/2" OD* Wall Sizes to 1/4" FDA Approved Coils and Cut Lengths</b>
<b>Polypropylene Tubing:</b>	<b>Natural and Colors Sizes 1/8" OD Through 1" OD* Wall Sizes to 1/8" Coils and Cut Lengths</b>
<b>Hi-impact Styrene Tubing:</b>	<b>Natural and Colors Sizes 1/8" OD Through 1" OD* Wall Sizes to 1/8" Coils and Cut Lengths</b>
	<b>*Including Metric Equivalents (2mm to 25mm)</b>
<b>PVC Profiles</b>	<b>Samples Provided Upon Request</b>
<b>High-Speed Cutting</b>	<b>400 Pieces Per Minute</b>
<b>Fitting Assembly</b>	<b>Per Your Specifications</b>
<b>Packaging</b>	<b>Per Your Specifications</b>

**Please Note: Industry standards measure Hose by ID and Tubing by OD. When inquiring, please advise us of both your ID and OD requirements so we can provide you with an accurate quotation.**



# Other Products From ATP



MANUFACTURERS OF PRECISION-MADE  
POLYURETHANE SPIRAL HOSE & TUBING



We at ATP believe we have developed the latest technology in tubing, hoses and pneumatic accessories. In keeping with current market demands, our products offer ergonomics and safety to help support assembly and automation applications.



**Weld Tubing**  
Metric, polyurethane tubing covered with a flame-resistant layer. Designed for robotic welding and other severe-service applications.



**Polyurethane Spiral Hoses**  
Standard, stock and our industry exclusive—the "Strong" and "Strong-Plus." Custom models are our specialty.



**Technibond®**  
Thermally-bonded, polyurethane tube groupings available in straight and spiral configurations. A 5-conductor wire can be added to carry electric.



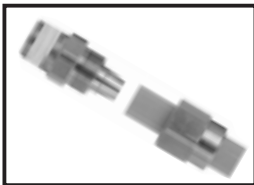
**Polyurethane Braided Hose**  
Lightweight and flexible. Available in several durometers. Reinforced with nylon for greater working pressures.



**Tube Fittings**  
Fractional & Metric push-to-connect fittings and speed controllers in both brass and resin materials, NPT & BSPT.



**Hose & Tool Balancers**  
Durable cases and high-quality internals make up our balancers. Ideal for workstation ergonomics.



**Hose Fittings**  
Two-piece, reusable, compression-style brass fittings in fractional and metric, male and female, rigid and swivel.



**Quick Couplers**  
Available in low and high pressure, non-marring plastic, steel, brass and stainless for pneumatic and hydraulic applications. Locking and safety vent styles.



**Blow Guns**  
Lightweight, ergonomic designs available in die-cast and resin body styles.



**Ball Valves**  
Mini, standard and safety-locking varieties in steel, brass and stainless steel.



**The Original Free Angle® Swivel Fitting**  
The ergonomic, patented 360° circular rotation and 45° angled rotation makes this fitting indispensable for air tool and assembly applications.



**TechniGripp®**  
The world's first hydraulic push-to-connect fitting. Does not require use of a crimper. Allows on-site fabrication of hoses to eliminate costly down time.

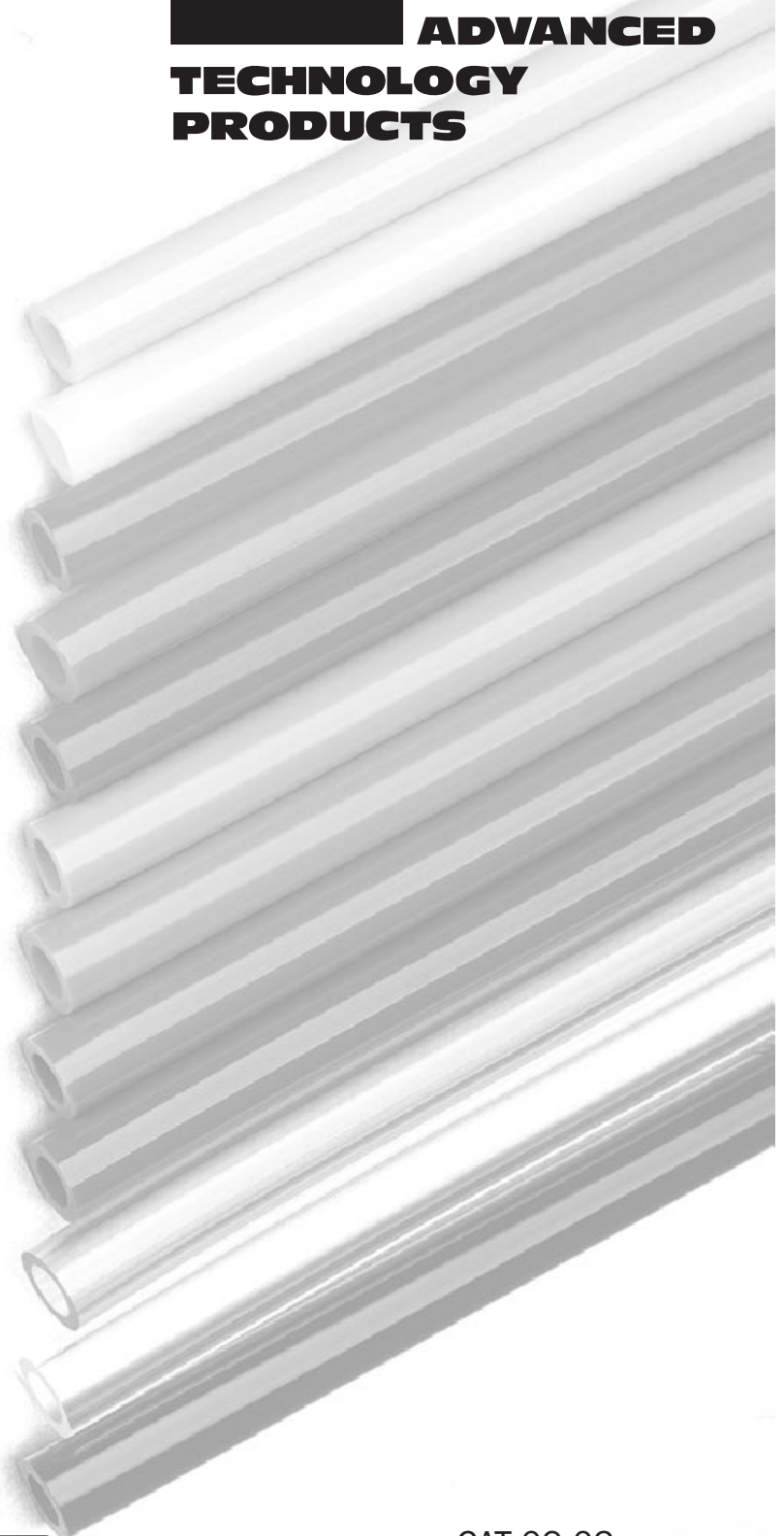




**MANUFACTURERS OF PRECISION-MADE  
POLYURETHANE SPIRAL HOSE & TUBING**



**ADVANCED  
TECHNOLOGY  
PRODUCTS**



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CAT 09-03

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