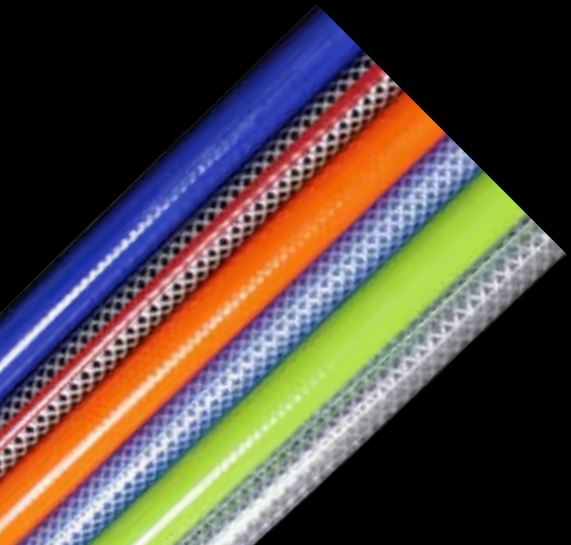
TUBING & HOSE



ATP ADVANCED TECHNOLOGY PRODUCTS

TAKE A LOOK AT WHAT WE OFFER NOW!

Advanced Technology Products, (ATP) has been supplying you with the highest quality polyurethane tubing available in the market for more than sixteen years. We have been expanding our product offering over the past few years and would like to introduce them to you in our new full line tubing catalog! You can now consolidate purchases with ATP and still get the high quality and service that you've come to know.

ATP's tubing products are superior because we use 100% virgin materials for improved performance; never "off spec" or regrind. We take pride in our work and have added the type of products that our customers desire. After reviewing the complete product line, if you do not find what you're looking for, don't hesitate to ask us for it. Our full product capabilities list is found on the back page of this catalog. We welcome your inquiries for custom materials, sizes, colors, and cut lengths. We would also welcome the opportunity to quote your "private label" and custom packaging needs.

Thank you for the opportunity to earn your business!

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NSF® is a registered trademark of the NATIONAL SANITATION FOUNDATION

LIMITED WARRANTY

Advanced Technology Products expressly excludes all warranties, guarantees and representations, expressed or implied, including but not limited to warranties of merchantability, material, workmanship, design and suitability for a specified or intended purpose. Products shall be free from defects in material and workmanship for a period of one (1) year after shipment. If the product purchased is defective in any way during the one (1) year period, please contact ATP for an RGA number to return the product. No unauthorized returns will be accepted. Ship product prepaid to ATP for a full evaluation. If the product is found to be defective, ATP will repair or replace the product at no charge to the customer at ATP's sole discretion.

ATP Private Brand PU Minimum Run Requirements

Tubing O.D.	Min. Footage Required*,**
1/8”	*30,000*
5/32”, 4mm	*15,000*
3/16”	*30,000*
1/4”, 6mm	*15,000*
5/16”, 8mm	*10,000*
3/8”, 10mm	*10,000*
½”, 12mm,	*5,000*
9/16”	*2,500*
5/8”, 16mm	*2,500*
3/4”	*2,500*

**** Same Current Net Pricing***
***** One-shipment Only***

Tubing O.D.	Min. Footage Required+,++
1/8”	*15,000*
5/32”, 4mm	*7,500*
3/16”	*15,000*
1/4”, 6mm	*7,500*
5/16”, 8mm	*5,000*
3/8”, 10mm	*5,000*
½”, 12mm	*2,500*

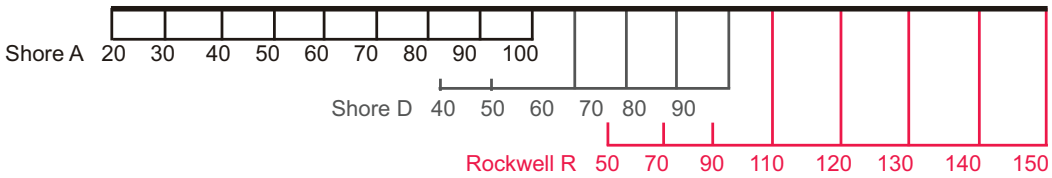
+ 15% Adder to Current Net Price
++ Maximum Six Week Lead Time

ATP Private Brand NYLON & PE Minimum Run Requirements

Tubing O.D.	Min. Footage Required*,**
1/8”	*50,000*
5/32”, 4mm	*50,000*
3/16”	*50,000*
1/4”, 6mm	*50,000*
5/16”, 8mm	*40,000*
3/8”, 10mm	*25,000*
½”, 12mm	*14,000*
9/16”	*2,500*
5/8”, 16mm	*2,500*
3/4”	*2,500*

**** Same Current Net Pricing***
***** One-shipment Only***

Hardness Comparison



Surethane® NSF 51® Polyurethane (Shore A 98)

ATP

ATP Surethane® NSF 51® polyurethane (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. Surethane® 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.

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

Package Lengths

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

Part Numbering System

PU 18 A BK

- PU — Polyurethane
- 18 — Tubing O.D.
- A — Package Length
- BK — Tubing color
- Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

PU	BK	C	CB	CG	CR	G	GY	LB	LG	NB	OR	R	W	Y
1/8	●	●	●	x	x	●	●	●	x	●	●	●	●	●
4mm/5/32	●	●	●	x	x	●	●	●	x	●	●	●	●	●
3/16	●	●	●	x	x	●	x	●	x	●	●	●	●	●
1/4	●	●	●	x	x	●	●	●	x	●	●	●	●	●
1/4 - 1/8	x	x	x	x	x	x	x	x	x	●	x	x	x	x
8mm/5/16	●	●	●	x	x	●	●	●	x	●	●	●	●	●
3/8	●	●	●	x	x	●	●	●	x	●	●	●	●	●
1/2	●	●	●	x	x	●	●	●	x	●	●	●	●	●
9/16	●	●	●	x	x	x	x	x	x	x	x	x	x	x
5/8	●	●	●	x	x	x	x	x	x	x	x	x	x	x
3/4	●	●	●	x	x	●	x	x	x	●	x	●	●	●
6mm	●	●	●	x	x	●	●	●	x	●	x	●	●	●
10mm	●	●	●	x	x	●	x	●	x	●	●	●	●	●
12mm	●	●	●	x	x	●	x	●	x	●	x	●	●	●
16mm	●	●	●	x	x	●	x	●	x	●	x	●	●	●

BK = Black, C = Clear, CB = Clear Blue, CG = Clear Green, CR = Clear Red,
G = Green, GY = Gray, LB = Light Blue, LG = Light Green, NB = Navy Blue
OR = Orange, R = Red, W = White, Y = Yellow

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Features

Strong
Lightweight
Flexible
Abrasion Resistant
Heat & Cold Resistant
Chemical Resistant
Kink Resistant
NSF 51® Certified
Meets NSF 61® Requirements

Specifications

Temperature Range:
-40˚F To +160˚F
*color green, clear green, yellow, clear yellow 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

RoHS Compliant

Applications

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

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	W.P. @150° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PU18A_	.125	.062	.031	.200	240	100	720	100'	.50
PU18B_	.125	.062	.031	.200	240	100	720	250'	1.25
PU18C_	.125	.062	.031	.200	240	100	720	500'	2.50
PU18D_	.125	.062	.031	.200	240	100	720	1000'	5.00
PU04M/532A_	4mm,5/32	.093	.031	.250	200	85	600	100'	.70
PU04M/532B_	4mm,5/32	.093	.031	.250	200	85	600	250'	1.75
PU04M/532C_	4mm,5/32	.093	.031	.250	200	85	600	500'	3.50
PU04M/532D_	4mm,5/32	.093	.031	.250	200	85	600	1000'	7.00
PU04M/532E_	4mm,5/32	.093	.031	.250	200	85	600	25M	.57
PU04M/532F_	4mm,5/32	.093	.031	.250	200	85	600	100M	2.30
PU316A_	.187	.125	.031	.339	150	90	450	100'	1.01
PU316B_	.187	.125	.031	.339	150	90	450	250'	2.53
PU316C_	.187	.125	.031	.339	150	90	450	500'	5.05
PU316D_	.187	.125	.031	.339	150	90	450	1000'	10.10
PU14A_	.250	.156	.047	.476	180	70	540	100'	1.50
PU14B_	.250	.156	.047	.476	180	70	540	250'	3.75
PU14C_	.250	.156	.047	.476	180	70	540	500'	7.50
PU14D_	.250	.156	.047	.476	180	70	540	1000'	15.00
PU14-18A_	.250	.125	.063	.500	270	105	810	100'	1.83
PU14-18B_	.250	.125	.063	.500	270	105	810	250'	4.58
PU14-18C_	.250	.125	.063	.500	270	105	810	500'	9.15
PU14-18D_	.250	.125	.063	.500	270	105	810	1000'	18.30
PU08M/516A_	8mm,5/16	.187	.063	.594	175	75	525	100'	2.60
PU08M/516B_	8mm,5/16	.187	.063	.594	175	75	525	250'	6.50
PU08M/516C_	8mm,5/16	.187	.063	.594	175	75	525	500'	13.00
PU08M/516D_	8mm,5/16	.187	.063	.594	175	75	525	1000'	26.00
PU08M/516E_	8mm,5/16	.187	.063	.594	175	75	525	25M	2.13
PU08M/516F_	8mm,5/16	.187	063	.594	175	75	525	100M	8.53
PU38A_	.375	.250	.063	1.000	150	70	450	100'	3.40
PU38B_	.375	.250	.063	1.000	150	70	450	250'	8.50
PU38C_	.375	.250	.063	1.000	150	70	450	500'	17.00
PU38D_	.375	.250	.063	1.000	150	70	450	1000'	34.00
PU12A_	.500	.328	.086	1.102	150	70	450	100'	5.60
PU12B_	.500	.328	.086	1.102	150	70	450	250'	14.90
PU12C_	.500	.328	.086	1.102	150	70	450	500'	28.05
PU916A_	.562	.375	.093	1.142	140	60	420	100'	7.50
PU916B_	.562	.375	.093	1.142	140	60	420	250'	18.75
PU58A_	.625	.406	.109	1.375	140	70	450	100'	9.50
PU58B_	.625	.406	.109	1.375	140	70	450	250'	23.75
PU34A_	.750	.500	.125	1.500	140	70	420	100'	14.90
PU34B_	.750	.500	.125	1.500	140	70	420	250'	37.25

_Insert color designation into part number when ordering.

Surethane® NSF 51® Polyurethane metric sizes on page 6

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	W.P. @150° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PU04M/532A_	4.0	2.4	.78	6.35	200	85	600	100’	.70
PU04M/532B_	4.0	2.4	.78	6.35	200	85	600	250’	1.75
PU04M/532C_	4.0	2.4	.78	6.35	200	85	600	500’	3.50
PU04M/532D_	4.0	2.4	.78	6.35	200	85	600	1000’	7.00
PU04M/532E_	4.0	2.4	.78	6.35	200	85	600	25M	.57
PU04M/532F_	4.0	2.4	.78	6.35	200	85	600	100M	2.30
PU06MA_	6.0	4.0	1.000	12	180	65	540	100’	1.30
PU06MB_	6.0	4.0	1.000	12	180	65	540	250’	3.24
PU06MC_	6.0	4.0	1.000	12	180	65	540	500’	6.48
PU06MD_	6.0	4.0	1.000	12	180	65	540	1000’	13.00
PU06ME_	6.0	4.0	1.000	12	180	65	540	25M	1.07
PU06MF_	6.0	4.0	1.000	12	180	65	540	100M	4.28
PU08M/516A_	8.0	5.0	1.60	15	175	75	525	100’	2.60
PU08M/516B_	8.0	5.0	1.60	15	175	75	525	250’	6.50
PU08M/516C_	8.0	5.0	1.60	15	175	75	525	500’	13.00
PU08M/516D_	8.0	5.0	1.60	15	175	75	525	1000’	26.00
PU08M/516E_	8.0	5.0	1.60	15	175	75	525	25M	2.13
PU08M/516F_	8.0	5.0	1.60	15	175	75	525	100M	8.53
PU10MA_	10.0	6.5	1.750	25	150	70	450	100’	3.90
PU10MB_	10.0	6.5	1.750	25	150	70	450	250’	9.75
PU10MC_	10.0	6.5	1.750	25	150	70	450	500’	19.50
PU10ME_	10.0	6.5	1.750	25	150	70	450	25M	3.25
PU10MF_	10.0	6.5	1.750	25	150	70	450	100M	12.76
PU12MA_	12.0	8.0	2.000	28	150	60	450	100’	5.30
PU12MB_	12.0	8.0	2.000	28	150	60	450	250’	13.25
PU12MC_	12.0	8.0	2.000	28	150	60	450	500’	26.50
PU12ME_	12.0	8.0	2.000	28	150	60	450	25M	4.39
PU12MF_	12.0	8.0	2.000	28	150	60	450	100M	17.34
PU16MA_	16.0	11.0	2.500	30	150	70	450	100’	9.50
PU16MB_	16.0	11.0	2.500	30	150	70	450	250’	23.75
PU16ME_	16.0	11.0	2.500	30	150	70	450	25M	7.79
PU16MF_	16.0	11.0	2.500	30	150	70	450	100M	31.16

_Insert color designation into part number when ordering.

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Surethane UV™ Polyurethane (Shore A 98)

ATP

ATP Surethane UV™ polyurethane (PUV) Shore A 98 tubing is made from the highest quality raw materials available. **The black color with the addition of ultraviolet stabilizers makes this tubing excellent for use in outdoor applications.** It is ether-based to provide excellent hydrolysis, oil and cold resistance. Surethane UV™ 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 Surethane UV™ tubing has an outside diameter made to extremely tight tolerances. It is ideal for use with Technifit™ push-to-connect fittings, as well as barb-type and compression fittings for simple installation.

Package Lengths

A = 100’
C = 500’

Part Numbering System

PUV 14 A BK

- PUV — Polyurethane
- 14 — Tubing O.D.
- A — Package Length
- BK — Tubing color: Black

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	W.P. @150° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PUV14ABK	.250	.156	.047	.476	180	70	540	100’	1.50
PUV14CBK	.250	.156	.047	.476	180	70	540	500’	7.50
PUV38ABK	.375	.250	.063	1.000	150	70	450	100’	3.40
PUV38CBK	.375	.250	.063	1.000	150	70	450	500’	17.00
PUV12ABK	.500	.328	.086	1.102	150	70	450	100’	5.60
PUV12CBK	.500	.328	.086	1.102	150	70	450	500’	28.05

Features

U.V. Stabilized
Strong
Lightweight
Flexible
Abrasion Resistant
Heat & Cold Resistant
Chemical Resistant
Kink Resistant

Specifications

Temperature Range:
-40˚F To +160˚F

Hardness: Shore A 98

Vacuum Rating:
To 28” Hg

Tolerances:
I.D. & O.D. = +/- .005

RoHS Compliant

Applications

Pneumatic Tools
Pneumatic Piping
Vacuum
Laboratories
Robotics
Motion Control
Instrumentation
Agriculture
Lube Lines
Painting Systems

Nylochem® Nylon 12 Tubing

ATP

Nylochem® 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. It is ideal for outdoor use applications because of its superior stress crack resistance.

Nylochem® is strong, lightweight and has a very low moisture absorption rate compared to other nylons. By not absorbing moisture, Nylochem® remains more flexible, which in turn extends it's service life. Nylochem® tubing can be used with Technifit™ push-to-connect fittings and compression fittings for simple installation.

Because of it's semi-rigid properties, Nylon tubing offers a thinner tube wall providing higher flow rates and working pressure.

Be sure to check out our new Nylon High Pressure Tube offering on page 9!

Package Lengths

A = 100'
B = 250' (Non-Stock)
C = 500'
D = 1000'
E = 25 Meters
F = 100 Meters

Part Numbering System

N 18 A NA

- N — Nylon 12
- 18 — Tubing O.D.
- A — Package Length
- NA — Tubing color

Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

N	BK	B	G	GY	NA	OR	R	S	Y
1/8	●	●	x	x	●	x	●	x	●
5/32	●	●	●	x	●	●	●	x	●
1/4 x .150	●	x	x	x	●	x	x	●	x
1/4	●	●	●	x	●	●	●	x	●
3/8 x .215	●	x	x	x	x	x	x	●	x
3/8	●	●	●	x	●	●	●	x	●
1/2	●	●	●	x	●	●	●	x	●
5/8	x	x	x	x	x	x	●	x	●
4mm	●	●	●	x	●	●	●	x	●
6mm	●	●	●	●	●	●	●	x	●
8mm	●	●	●	●	●	●	●	x	●
10mm	●	●	●	x	●	x	●	x	●
12mm	●	●	●	x	●	●	●	x	●
14mm	●	●	x	x	●	x	x	x	x
16mm	●	x	x	x	●	x	x	x	x

BK = Black, B = Blue, G = Green, GY=Gray, NA = Natural, OR = Orange, R = Red, S = Silver, Y = Yellow

Features

Strong
Lightweight
Flexible
Abrasion Resistant
Heat Resistant
Chemical Resistant

Specifications

Hardness: Rockwell 78 R
Shore D 70
Temperature Range:
-60˚F To +200˚F
Vacuum Rating: To 28" Hg
Higher Flow Rates &
Working Pressure
Tolerances:
1/8" - 1/4" O.D. +/- .005
3/8" - 1/2" O.D. +/- .006

Applications

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

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
N18A_	.125	.080	.022	.375	420	1260	100’	.35
N18B_*	.125	.080	022	.375	420	1260	250’	.88
N18C_	.125	.080	022	.375	420	1260	500’	1.75
N18D_	.125	.080	022	.375	420	1260	1000’	3.50
N04M/532A_	4mm/.156	.106	.025	.500	350	1050	100’	.45
N04M/532B_*	4mm/.156	.106	.025	.500	350	1050	250’	1.13
N04M/532C_	4mm/.156	.106	.025	.500	350	1050	500’	2.25
N04M/532D_	4mm/.156	.106	.025	.500	350	1050	1000’	4.50
N04M/532E_	4mm/.156	.106	.025	.500	350	1050	25M	.40
N04M/532F_	4mm/.156	.106	.025	.500	350	1050	100M	2.00
N14A_	.250	.180	.035	1.250	290	870	100’	1.04
N14B_*	.250	.180	.035	1.250	290	870	250’	2.60
N14C_	.250	.180	.035	1.250	290	870	500’	5.20
N14D_	.250	.180	.035	1.250	290	870	1000’	10.40
High Pressure N14x.150A_	.250	.150	.050	.750	800	2400	100’	1.40
High Pressure N14x.150C_	.250	.150	.050	.750	800	2400	500’	6.80
High Pressure N38x.215A_	.375	.215	.082	1.000	883	2650	100’	3.20
High Pressure N38x.215C_	.375	.215	.082	1.000	883	2650	500’	16.0
N08M/516A_	8mm/.314	.236	.039	1.496	250	750	100’	1.50
N08M/516B_	8mm/.314	.236	.039	1.496	250	750	250’	3.75
N08M/516C_	8mm/.314	.236	.039	1.496	250	750	500’	7.50
N08M/516D_	8mm/.314	.236	.039	1.496	250	750	1000’	15.00
N08M/516E_	8mm/.314	.236	.039	1.496	250	750	25M	1.23
N08M/516F_	8mm/.314	.236	.039	1.496	250	750	100M	4.92
N38A_	.375	.275	.050	2.000	250	750	100’	2.26
N38B_*	.375	.275	.050	2.000	250	750	250’	5.65
N38C_	.375	.275	.050	2.000	250	750	500’	11.30
N38D_	.375	.275	.050	2.000	250	750	1000’	22.60
N12A_	.500	.375	.062	3.500	240	720	100’	3.80
N12B_*	.500	.375	.062	3.500	240	720	250’	9.50
N12C_	.500	.375	.062	3.500	240	720	500’	19.00
N58A_	.625	.500	.062	4.25	210	630	100’	4.70
N58C_	.625	.500	.062	4.25	210	630	500’	23.50

* = Non Stock Packaged Length _Insert color designation into part number when ordering.

Nylochem® Nylon 12 metric sizes on page 10

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
N04M/532A_	4.0	2.7	0.65	12.7	350	1050	100’	.45
N04M/532B_	4.0	2.7	0.65	12.7	350	1050	250’	1.13
N04M/532C_	4.0	2.7	0.65	12.7	350	1050	500’	2.25
N04M/532D_	4.0	2.7	0.65	12.7	350	1050	1000’	4.50
N04M.532E_	4.0	2.7	0.65	12.7	350	1050	25M	.40
N04M/532F_	4.0	2.7	0.65	12.7	350	1050	100M	2.00
N06ME_	6.0	4.0	1.00	31.8	340	1020	25M	.90
N06MF_	6.0	4.0	1.00	31.8	340	1020	100M	3.60
N08M/516A_	8.0	6.0	1.00	38.0	250	750	100’	1.50
N08M/516B_	8.0	6.0	1.00	38.0	250	750	250’	3.75
N08M/516C_	8.0	6.0	1.00	38.0	250	750	500’	7.50
N08M/516D_	8.0	6.0	1.00	38.0	250	750	1000’	15.00
N08M/516E_	8.0	6.0	1.00	38.0	250	750	25M	1.23
N08M/516F_	8.0	6.0	1.00	38.0	250	750	100M	4.92
N10ME_	10.0	8.0	1.00	51.0	225	675	25M	1.56
N10MF_	10.0	8.0	1.00	51.0	225	675	100M	6.23
N12ME_	12.0	10.0	1.00	63.5	200	600	25M	1.89
N12MF_	12.0	10.0	1.00	63.5	200	600	100M	7.55
N14ME_	14.0	11.0	1.50	100.0	175	525	25M	2.91
N14MF_	14.0	11.0	1.50	100.0	175	525	100M	11.64
_Insert color designation into part number when ordering.								

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Value-Tube™ LLDPE Tubing

ATP

Value-Tube™ Linear Low Density Polyethylene Tubing

Value-Tube™ is made from 100% non-toxic ingredients. It's inert nature and FDA compliant status makes it perfect for food and beverage piping not requiring NSF certification. It is ideal for use in pneumatic, drain piping, lab use and chemical transfer applications which require an inexpensive tubing.

Value-Tube™ is highly-resistant to stress cracking from chemicals, ageing and ultraviolet exposure. For use with barb-type, Technifit™ push-to-connect or compression- style fittings.!

Features

Chemically Inert
Chemical Resistant
Lightweight & Flexible
Good Dielectric Properties
Impermeable to Gases
Meets FDA Requirements

Specifications

Temperature Range:
-50˚F To +140˚F
Hardness: Shore A 98A
Shore D 55D
Vacuum Rating: To 28" Hg
Tolerances:
1/8" - 1/4" O.D. +/- .004
3/8" - 1/2" O.D. +/- .006
3/4" x 5/8" O.D. +/-.008
1" x 3/4" O.D. +/-.010

Applications

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

Package Lengths

A = 100'
B = 250' (Non-Stock)
C = 500'
D = 1000'

Part Numbering System

PE 14 A NA

- PE — Polyethylene
- 14 — Tubing O.D.
- A — Package Length
- NA — Tubing color

Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

PE	BK	B	G	NA	OR	R	Y
1/8	●	●	x	●	x	●	x
4mm/ 5/32	●	●	●	●	x	●	●
1/4	●	●	●	●	x	●	●
8mm/ 5/16	●	●	●	●	x	x	●
3/8	●	●	●	●	●	●	●
1/2	●	●	●	●	●	●	●
5/8	●	●	●	●	●	●	●
3/4	●	x	x	●	●	x	x
1	●	x	x	●	x	x	x
6mm	●	●	●	●	x	●	●
10mm	●	●	x	●	x	x	x
12mm	●	●	x	●	x	x	x

BK = Black, B = Blue, G = Green, NA = Natural,
OR = Orange, OR = Orange, R = Red, Y = Yellow

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PE18A_	.125	.080	.022	.150	250	750	100’	.50
PE18C_	.125	.080	.022	.150	250	750	500’	2.50
PE18D_	.125	.080	.022	.150	250	750	1000’	4.50
PE04M/532A_	4mm,5/32	.106	.025	1.000	180	540	100’	.60
PE04M/532B_*	4mm,5/32	.106	.025	1.000	180	540	250’	1.50
PE04M/532C_	4mm,5/32	.106	.025	1.000	180	540	500’	3.00
PE04M/532D_	4mm,5/32	.106	.025	1.000	180	540	1000’	6.00
PE14A_	.250	.170	.040	1.250	150	450	100’	1.20
PE14B_*	.250	.170	.040	1.250	150	450	250’	3.00
PE14C_	.250	.170	.040	1.250	150	450	500’	6.00
PE14D_	.250	.170	.040	1.250	150	450	1000’	12.00
PE1418A_	.250	.125	.0625	1.000	350	1050	100’	1.40
PE1418B_*	.250	.125	.0625	1.000	350	1050	250’	3.50
PE1418C_	.250	.125	.0625	1.000	350	1050	500’	7.00
PE1418D_	.250	.125	.0625	1.000	350	1050	1000’	14.00
PE08M/5/16A_	8mm,5/16	.236	.038	1.500	150	450	100’	1.50
PE08M/5/16B_*	8mm,5/16	.236	.038	1.500	150	450	250’	3.75
PE08M/5/16C_	8mm,5/16	.236	.038	1.500	150	450	500’	7.50
PE08M/5/16D_	8mm,5/16	.236	.038	1.500	150	450	1000’	15.00
PE38A_	.375	.250	.0625	2.000	150	450	100’	3.00
PE38B_*	.375	.250	.0625	2.000	150	450	250’	7.00
PE38C_	.375	.250	.0625	2.000	150	450	500’	14.00
PE38D_	.375	.250	.0625	2.000	150	450	1000’	25.00
PE12A_	.500	.375	.0625	2.500	125	375	100’	3.40
PE12B_*	.500	.375	.0625	2.500	125	375	250’	8.50
PE12C_	.500	.375	.0625	2.500	125	375	500’	17.00
PE58A_	.625	.500	.0625	3.000	100	300	100’	5.00
PE58B_*	.625	.500	.0625	3.000	100	300	250’	12.50
PE58C_	.625	.500	.0625	3.000	100	300	500’	25.00
PE34A_	.750	.625	.0625	4.000	100	300	100’	5.50
PE1A_	1.0	.750	.125	4.000	150	225	100’	13.70
* = Non Stock Packaged Length			_Insert color designation into part number when ordering.					

Value-Tube™ LLDPE metric sizes on page 13

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PE04M/532A_	4.0	2.7	0.65	25.4	180	540	100’	.60
PE04M/532B_	4.0	2.7	0.65	25.4	180	540	250’	1.50
PE04M/532C_	4.0	2.7	0.65	25.4	180	540	500’	3.00
PE04M/532D_	4.0	2.7	0.65	25.4	180	540	1000’	6.00
PE06MA_	6.0	4.0	1.0	31.8	150	450	100’	1.10
PE06MB_*	6.0	4.0	1.0	31.8	150	450	250’	2.75
PE06MC_	6.0	4.0	1.0	31.8	150	450	500’	5.50
PE06MD_	6.0	4.0	1.0	31.8	150	450	1000’	11.00
PE08M/516A_	8.0	6.0	1.0	38.1	150	450	100’	1.50
PE08M/516B_	8.0	6.0	1.0	38.1	150	450	250’	3.75
PE08M/516C_	8.0	6.0	1.0	38.1	150	450	500’	7.50
PE08M/516D_	8.0	6.0	1.0	38.1	150	450	1000’	15.00
PE10MA_	10.0	8.0	1.0	51.0	125	375	100’	2.10
PE10MB_*	10.0	8.0	1.0	51.0	125	375	250’	5.25
PE10MC_	10.0	8.0	1.0	51.0	125	375	500’	10.50
PE12MA_	12.0	9.0	1.5	63.5	100	300	100’	2.50
PE12MB_*	12.0	9.0	1.5	63.5	100	300	250’	6.50
PE12MC_	12.0	9.0	1.5	63.5	100	300	500’	13.00

* = Non Stock Packaged Length _Insert color designation into part number when ordering.

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Imbibe™ NSF-61® LLDPE Tubing

ATP

Imbibe™ exceeds FDA expectations with it's NSF-61® Certification for drinking water applications. Manufactured from 100% non-toxic ingredients, Imbibe is perfect for drinking water, beverage and food applications. With a complete range of sizes, colors and packaged lengths, Imbibe™ is the perfect one stop shop tubing option. Include NSF-61® Certified Fluidfit™ Push-to-Connect fittings and complete your assembly needs.

Package Lengths

A = 100'
B = 250' (Non-Stock)
C = 500'
D = 1000'

Part Numbering System

DWPE 14 A NA

- DWPE — Polyethylene
- 14 — Tubing O.D.
- A — Package Length
- NA — Tubing color

Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

DWPE	BK	B	G	NA	R	W	Y
4mm/ 5/32	●	●	●	●	x	●	●
1/4	●	●	●	●	●	●	●
8mm/ 5/16	●	●	x	●	●	x	x
3/8	●	●	●	●	●	●	●
1/2	●	●	x	●	●	●	x
6mm	●	●	x	●	●	x	x
10mm	●	●	x	●	●	x	x
12mm	●	●	x	●	●	x	x

BK = Black, B = Blue, G = Green, NA = Natural,
R = Red, W = White, Y = Yellow

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Features

Chemically Inert
Chemical Resistant
Lightweight & Flexible
Good Dielectric Properties
Impermeable to Gases
Meets FDA Requirements
NSF-61® Certified

Specifications

Temperature Range:
-50˚F To +140˚F
Hardness: Shore A 98A
Shore D 55D
Vacuum Rating: To 28" Hg
Tolerances:
1/8" - 1/4" O.D. +/- .004
3/8" - 1/2" O.D. +/- .006
3/4" x 5/8" O.D. +/-.008
1" x 3/4" O.D. +/-.010

Applications

Food & Beverage
Pneumatic Tools
Pneumatic Piping
Electrical Jacketing
Drain Lines
Instrumentation
Chemical Transfer
Process Control
Laboratories
Water Purification
Water Conditioners
Ice Makers
Misting systems

Imbibe™ NSF-61® LLDPE Tubing

ATP

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
DWPE04M/532A_	4mm,5/32	.106	.025	1.000	180	540	100’	.60
DWPE04M/532B_*	4mm,5/32	.106	.025	1.000	180	540	250’	1.50
DWPE04M/532C_	4mm,5/32	.106	.025	1.000	180	540	500’	3.00
DWPE04M/532D_	4mm,5/32	.106	.025	1.000	180	540	1000’	6.00
DWPE14A_	.250	.170	.040	1.250	150	450	100’	1.20
DWPE14B_*	.250	.170	.040	1.250	150	450	250’	3.00
DWPE14C_	.250	.170	.040	1.250	150	450	500’	6.00
DWPE14D_	.250	.170	.040	1.250	150	450	1000’	12.00
DWPE08M/5/16A_	8mm,5/16	.236	.038	1.500	150	450	100’	1.50
DWPE08M/5/16B_*	8mm,5/16	.236	.038	1.500	150	450	250’	3.75
DWPE08M/5/16C_	8mm,5/16	.236	.038	1.500	150	450	500’	7.50
DWPE08M/5/16D_	8mm,5/16	.236	.038	1.500	150	450	1000’	15.00
DWPE38A_	.375	.250	.062	2.000	150	450	100’	3.00
DWPE38B_*	.375	.250	.062	2.000	150	450	250’	7.00
DWPE38C_	.375	.250	.062	2.000	150	450	500’	14.00
DWPE38D_	.375	.250	.062	2.000	150	450	1000’	25.00
DWPE12A_	.500	.375	.062	2.500	125	375	100’	3.40
DWPE12B_*	.500	.375	.062	2.500	125	375	250’	8.50
DWPE12C_	.500	.375	.062	2.500	125	375	500’	17.00

* = Non Stock Packaged Length _Insert color designation into part number when ordering.

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
DWPE04M/532A_	4.0,	2.7	0.65	25.4	180	540	100’	.60
DWPE04M/532B_	4.0	2.7	0.65	25.4	180	540	250’	1.50
DWPE04M/532C_	4.0	2.7	0.65	25.4	180	540	500’	3.00
DWPE04M/532D_	4.0	2.7	0.65	25.4	180	540	1000’	6.00
DWPE06MA_	6.0	4.0	1.0	31.8	150	450	100’	1.10
DWPE06MB_*	6.0	4.0	1.0	31.8	150	450	250’	2.75
DWPE06MC_	6.0	4.0	1.0	31.8	150	450	500’	5.50
DWPE06MD_	6.0	4.0	1.0	31.8	150	450	1000’	11.00
DWPE08M/516A_	8.0	6.0	1.0	38.1	150	450	100’	1.50
DWPE08M/516B_	8.0	6.0	1.0	38.1	150	450	250’	3.75
DWPE08M/516C_	8.0	6.0	1.0	38.1	150	450	500’	7.50
DWPE08M/516D_	8.0	6.0	1.0	38.1	150	450	1000’	15.00
DWPE10MA_	10.0	8.0	1.0	51.0	125	375	100’	2.10
DWPE10MB_*	10.0	8.0	1.0	51.0	125	375	250’	5.25
DWPE10MC_	10.0	8.0	1.0	51.0	125	375	500’	10.50
DWPE12MA_	12.0	9.0	1.5	63.5	100	300	100’	2.50
DWPE12MB_*	12.0	9.0	1.5	63.5	100	300	250’	6.50
DWPE12MC_	12.0	9.0	1.5	63.5	100	300	500’	13.00

* = Non Stock Packaged Length _Insert color designation into part number when ordering.

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Vinyl-Flex™ PVC NSF 61® Tubing

ATP

ATP Vinyl-Flex™ PVC NSF 61® is suitable for general, low-pressure, industrial applications for the conveyance of liquids and semi solids. It also certified with FDA regulations and is NSF 61® certified for use in potable water and food and beverage applications. Although it is not intended for use in higher pressure applications, it does provide good chemical resistance, is lightweight, flexible and economically priced.

Part Numbering System

PVC 18-14 A NA

- PVC — Polyvinylchloride
- 18 — Tubing I.D.
- 14 — Tubing O.D.
- A — Package Length
- NA — Color: Clear

Package Lengths

A = 100’ 2A = 50’

Colors Available

Clear

Part Number	I.D. (IN)	O.D. (IN)	wall thickness (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
PVC18-14ANA	.125	.250	.063	65	195	100’	2.20
PVC316-14ANA*	.187	.250	.032	50	150	100’	1.17
PVC316-516ANA	.187	.313	.062	55	165	100’	2.69
PVC316-38ANA*	.187	.375	.094	60	180	100’	3.75
PVC14-38ANA	.250	.375	.062	55	165	100’	3.35
PVC14-716ANA*	.250	.438	.094	55	174	100’	5.53
PVC14-12ANA	.250	.500	.125	60	180	100’	7.89
PVC516-716ANA	.312	.438	.062	50	150	100’	3.88
PVC516-12ANA*	.312	.500	.094	55	165	100’	6.37
PVC516-916ANA*	.312	.563	.125	60	180	100’	9.22
PVC38-12ANA	.375	.500	.062	45	135	100’	4.65
PVC38-916ANA	.375	.563	.094	50	150	100’	7.47
PVC38-58ANA*	.375	.625	.125	55	165	100’	10.65
PVC716-916ANA*	.437	.563	.062	35	105	100’	6.60
PVC12-58ANA	.500	.625	.062	30	90	100’	6.00
PVC12-1116ANA*	.500	.688	.094	40	120	100’	9.50
PVC12-34ANA	.500	.750	.125	45	135	100’	13.07
PVC58-34ANA	.625	.750	.062	30	75	100’	7.10
PVC58-1316ANA*	.625	.813	.094	35	105	100’	12.32
PVC58-78ANA	.625	.875	.125	40	120	100’	15.72
PVC34-1ANA	.750	1.000	.125	35	105	100’	18.37
PVC34-54ANA*	.750	1.250	.250	45	120	100’	20.00
PVC78-118ANA*	.875	1.125	.125	30	90	100’	33.10
PVC1-54ANA	1.000	1.250	.125	25	75	100’	23.99
PVC1-138ANA*	1.000	1.375	.188	30	90	100’	37.00
PVC54-64ANA	1.250	1.500	.125	20	60	100’	29.00
PVC54-1582ANA	1.250	1.625	.188	30	90	50’	44.60
PVC64-1782ANA	1.500	1.875	.188	30	90	50’	52.70
PVC2-2.52ANA+	2.000	2.500	.250	20	60	50’	30.00

* = Non Stock Packaged Length + = Non NSF 61® Size Certified

Features

Lightweight
Flexible
Food Grade
Clear Color
DEHP Free

Specifications

Temperature Range:
+15˚F To +150˚F
Hardness:
Shore A 73 PVC
Meets FDA Requirements
USP Class VI Rated Materials
NSF 61® Certified
RoHS Compliant
Reach Prop 65
Tolerances:
1/8” - 1/2” I.D.: + 0.004/- 0.008
5/8” - 1” I.D.: + 0.008/ - 0.012
1.25” - 1.5” I.D.: + 0.012/ - 0.016
2” I.D.: + 0.016/ - 0.020

Applications

Beverage Dispensing
Drain
Potable Water
Laboratory
Low Pressure Air
Distilled Water Transfer
Light Vacuum
Spa & Hot Tub

Mercury™ PTFE Tubing

ATP

Mercury™ tubing, which is extruded with very tight tolerances, is a good choice for many advanced, high heat applications. It's properties allow exceptional resistance to degeneration of mechanical properties under severe conditions. Mercury™ tubing does not support combustion and has very good dielectric properties.

Mercury™ PTFE is available in tubing, and spiral profiles.

Features

Chemically Inert
Low Extractible
Biocompatible -
USP Class VI Approved
Flame Rating: UL 94 V0
ASTM - D3295
Meets FDA Requirements
Easily Cleaned

Specifications

Temperature Range:
-454˚F To +500˚F
Hardness: Shore D 55
Tolerance:
1/8" O.D. +/- .004
1/4" - 3/8" O.D. +/- .005
Vacuum Rating: To 28" Hg

Applications

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

Package Lengths

A = 100'

Colors Available

Natural

Part Numbering System

PTFE 18 A NA

- PTFE: Polytetrafluoroethylene
- 18: Tubing O.D.
- A: Package Length
- NA: Tubing Color: Natural

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	4:1 burst pressure	package length	package weight (lbs)
PTFE18ANA	.125	.063	.031	.39	381	1524	100'	1.14
PTFE14-18ANA	.250	.125	.063	1.18	372	1488	100'	2.29
PTFE14-532ANA	.250	.156	.047	1.97	275	1100	100'	2.02
PTFE14-316ANA	.250	.188	.031	2.56	174	696	100'	1.75
PTFE38ANA	.375	.250	.063	4.33	240	960	100'	5.84
PTFE438-38ANA	.438	.375	.032	4.50	95	380	100'	6.0
PTFE12ANA	.500	.375	.063	6.50	150	600	100	6.5

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	4:1 burst pressure	package length	package weight (lbs)
PTFE04MANA	4.0	2.5	.75	25	292	1168	100'	1.51
PTFE06MANA	6.0	4.0	1.0	40	275	1100	100'	2.29
PTFE08MANA	8.0	6.0	1.0	60	180	720	100'	3.20
PTFE10MANA	10.0	8.0	1.0	75	133	532	100'	4.13
PTFE12MANA	12.0	10.0	1.0	100	120	408	100'	6.00

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

Venus™ FEP Tubing

Venus™ FEP tubing is a more durable alternative to PTFE, yet more flexible. It is a semi-clear material with low permeability, plus it is UV resistant, abrasion resistant, and virtually chemically inert. Venus™ FEP material meets UL94 V0 for flammability and also meets FDA requirements.

Package Lengths

A = 100’

Colors Available

Semi-Clear

Part Numbering System

FEP 18 A

- FEP — Fluorinated Ethylene Propylene
- 18 — Tubing O.D.
- A — Package Length

Fractional Sizes

Part Number	O.D. (IN)	I.D. (IN)	wall thickness (IN)	bend radius (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
FEP18A	.125	.063	.031	.39	410	1640	100’	1.14
FEP14-18A	.250	.125	.063	1.18	400	1600	100’	2.29
FEP14-532A	.250	.156	.047	1.97	300	1200	100’	2.02
FEP14-316A	.250	.188	.031	2.56	174	696	100’	1.75
FEP38A	.375	.250	.063	4.33	240	960	100’	5.84
FEP12A	.500	.375	.063	6.50	180	720	100’	6.5

Metric Sizes

Part Number	O.D. (mm)	I.D. (mm)	wall thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
FEP04MA	4.0	2.5	.75	25	292	1168	100’	1.51
FEP06MA	6.0	4.0	1.0	40	275	1100	100’	2.29
FEP08MA	8.0	6.0	1.0	60	180	720	100’	3.20
FEP10MA	10.0	8.0	1.0	75	133	532	100’	4.13
FEP12MA	12.0	10.0	1.0	100	120	408	100’	6.00

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

ATP

Features

Flexible
Chemically Inert
Low Extractible
Biocompatible -
USP Class VI Approved
Flame Rating: UL 94 V0
ASTM - D3296
Meets FDA Requirements
Easily Cleaned

Specifications

Temperature Range:
-400˚F To +400˚F
Hardness: Shore D 55
Tolerance:
1/8” O.D. +/- .004
1/4” - 3/8” O.D. +/- .005
Vacuum Rating: To 28” Hg

Applications

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

Armor-Weld™ Spatter Resistant Tubing

Armor-Weld™ Spatter Resistant, covered polyurethane weld tubing, manufactured by ATP, is specially designed for use in and around welding equipment or other severe-service applications. Armor-Weld™ is standard, ATP polyurethane tubing covered by an olefin, flame resistant layer. Its ether-based material gives it excellent hydrolysis properties making it suitable for use in water piping, as well as pneumatic piping and vacuum applications.

Armor-Weld™ tubing can be bonded together to create an ideal, color-coded solution for supply and return lines in robotic welding applications. The covering is separate from the inner tube and is easily stripped. After covering is stripped, Armor-Weld™ can be used with standard Push-To-Connect type fittings.

Part Numbering System

LE 12M F Y

- LE Tubing
- Tubing O.D.
- Package Length
- Tubing color
- Insert color designation into part number when ordering

2LE 12M F Y

- Bonded LE Tubing
- Tubing O.D.
- Package Length
- Tubing color
- Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

LE	BK	G	LB	R	Y	W
4mm/5/32	●	x	●	x	●	x
1/4	●	x	●	●	x	x
8mm/5/16	●	●	●	●	●	●
3/8	●	x	●	●	x	x
1/2	●	●	●	x	x	●
6mm	●	●	●	●	●	●
10mm	●	●	●	●	●	●
12mm	●	●	●	●	●	●

BK = Black, G = Green, LB = Light Blue,
R= Red, Y = Yellow, W=White

Package Lengths

B = 250’
F = 100 Meters

ATP

Features

Flame Resistant
Weld Spatter Resistant
Oil Resistant
UV Resistant
Kink Resistant
Abrasion Resistant
Custom Bonding Available
Custom Spiral Available
Ether-Based Polyurethane
Excellent Bend Radius

Specifications

Working Temperature:
-68˚F To +140˚F
Vacuum Rating:
To 28” Hg
Inside Tube:
Shore A 98
Outer Jacket Rating:
Meets UL94V0 Self
Extinguishing Requirements

Applications

Robotic Welding
Pneumatic Tools
Pneumatic Piping
Vacuum
Laboratories
Robotics
Motion Control
Instrumentation
Agriculture
Ship Piping
Chemical Plant
Lube Lines
Painting Systems

Fractional Sizes

	Part Number	Inner tube O.D.(in)	Inner tube I.D.(in)	Out jacket Thickness (in)	bend radius (in)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
SINGLE	LE14B_	.250	.156	.039	.59	180	540	250’	8.65
	LE38B_	.375	.250	.039	.98	150	450	250’	15.00
	LE12B_	.500	.328	.039	1.17	150	450	250’	23.20
	2LE14B_	.250	.156	.039	.59	180	540	250’	17.30
	2LE38B_	.375	.250	.039	.98	150	450	250’	30.80
	2LE12B_	.500	.328	.039	1.17	150	450	250’	46.40

_Insert color designation into part number when ordering.

Metric Sizes

	Part Number	Inner tube O.D.(mm)	Inner tube I.D.(mm)	Out jacket Thickness (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
SINGLE	LE04M/532F_	4.0	2.5	1.0	10	200	600	100m	8.00
	LE06MF_	6.0	4.0	1.0	15	180	540	100m	10.00
	LE08M/516F_	8.0	5.0	1.0	20	175	525	100m	15.20
	LE10MF_	10.0	6.5	1.0	25	150	450	100m	21.60
	LE12MF_	12.0	8.0	1.0	30	150	450	100m	28.00
BONDED	2LE04M/532F_	4.0	2.5	1.0	10	200	600	100m	16.00
	2LE06MF_	6.0	4.0	1.0	15	180	540	100m	20.00
	2LE08M/516F_	8.0	5.0	1.0	20	175	525	100m	30.40
	2LE10MF_	10.0	6.5	1.0	25	150	450	100m	43.20
	2LE12MF_	12.0	8.0	1.0	30	150	450	100m	56.00

_Insert color designation into part number when ordering.

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

MonoShield® Single-Core Weld Tubing

ATP

Developed by ATP, MonoShield® Weld tubing is specially designed for use in and around welding equipment or other severe-service applications. MonoShield® is a 95 shore A Ether based, flame-resistant, polyurethane tubing. It's ether-based material gives it excellent hydrolysis properties making it suitable for use in water piping, as well as pneumatic piping and vacuum applications. It is the only self extinguishing tubing to date that meets the UL94V0 specifications.

MonoShield® Weld Tubing can be bonded together to create an ideal, color-coded solution for supply and return lines in robot welding applications. With no outer jacket to peel back, MonoShield® allows for ease and speed of installation when used with standard Push-To-Connect type fittings, Custom spiraling is available.

Part Numbering System

MS 12M A Y

- MS Tubing
- Tubing O.D.
- Package Length
- Tubing color
- Insert color designation into part number when ordering

2MS 12M A Y

- Bonded MS Tubing
- Tubing O.D.
- Package Length
- Tubing color
- Insert color designation into part number when ordering

Stock Color Chart: ● = Stock, x = Non Stock

MS	BK	G	LB	R	Y	W
4mm/5/32	X	X	X	X	X	X
1/4	●	X	●	X	X	●
8mm/5/16	●	●	●	●	X	●
3/8	●	X	●	X	X	●
1/2	●	X	●	X	X	●
6mm	●	●	●	X	X	●
10mm	●	●	●	●	X	●
12mm	●	●	●	●	X	●
16mm	●	X	●	X	X	●

BK = Black, G = Green, LB = Light Blue,
R= Red, Y = Yellow, W=White

Package Lengths

A = 100'
B = 250'

Features

Flame Resistant
Weld Spatter Resistant
Oil Resistant
UV Resistant
Kink Resistant
Abrasion Resistant
Custom Bonding Available
Custom Spiral Available
Ether-Based Polyurethane
Excellent Bend Radius
Silicone-Free
Shore 95A
Light Weight

Specifications

Working Temperature:
-68˚F To +140˚F
Vacuum Rating: To 28" Hg
Meets UL94V0 Self
Extinguishing Requirements

Applications

Robot Welding
Spot Welding
Severe Service
Supply/Return Lines
Cooling Water

MonoShield® Tubing Single-Core Weld Tubing sizes on page 20.

Fractional Sizes

	Part Number	O.D. (IN)	I.D. (IN)	bend radius (IN)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
SINGLE	MS04M/532A_	4mm,5/32	3/32	0.500	200	600	100’	.60
	MS04M/532B_	4mm,5/32	3/32	0.500	200	600	250’	1.50
	MS14A_	1/4	5/32	0.625	180	540	100’	1.50
	MS14B_	1/4	5/32	0.625	180	540	250’	3.75
	MS08M/516A_	8mm,5/16	3/16	0.750	175	525	100’	2.50
	MS08M/516B_	8mm,5/16	5/16	0.750	175	525	250’	6.25
	MS38A_	3/8	1/4	1.000	150	450	100’	3.10
	MS38B_	3/8	1/4	1.000	150	450	250’	7.75
	MS12A_	1/2	21/64	1.250	150	450	100’	6.10
	MS12B_	1/2	21/64	1.250	150	450	250’	15.25
BONDED	2MS04M/532A_	4mm,5/32	3/32	0.500	200	600	100’	1.20
	2MS04M/532B_	4mm,5/32	3/32	0.500	200	600	250’	3.00
	2MS14A_	1/4	5/32	0.625	180	540	100’	3.00
	2MS14B_	1/4	5/32	0.625	180	540	250’	7.50
	2MS08M/516A_	8mm,5/16	3/16	0.750	175	525	100’	5.00
	2MS08M/516B_	8mm,5/16	3/16	0.750	175	525	250’	12.50
	2MS38A_	3/8	1/4	1.000	150	450	100’	6.20
	2MS38B_	3/8	1/4	1.000	150	450	250’	15.50
	2MS12A_	1/2	21/64	1.250	150	450	100’	12.20
	2MS12B_	1/2	21/64	1.250	150	450	250’	30.50

_Insert color designation into part number when ordering.

Metric Sizes

	Part Number	O.D. (mm)	I.D. (mm)	bend radius (mm)	W.P. @70° F (PSI)	3:1 burst pressure	package length	package weight (lbs)
SINGLE0	MS06MA_	6	4.0	16	180	540	100’	1.50
	MS06MB_	6	4.0	16	180	540	250’	3.75
	MS10MA_	10	6.5	25	150	450	100’	3.50
	MS10MB_	10	6.5	25	150	450	250’	8.75
	MS12MA_	12	8.0	30	150	450	100’	5.10
	MS12MB_	12	8.0	30	150	450	250’	12.75
	MS16MA_	16	11.0	55	110	330	100’	9.00
	MS16MB_	16	11.0	55	110	330	250’	22.50
BONDED	2MS06MA_	6	4.0	16	180	540	100’	3.00
	2MS06MB_	6	4.0	16	180	540	250’	7.50
	2MS10MA_	10	6.5	25	150	450	100’	7.00
	2MS10MB_	10	6.5	25	150	450	250’	17.75
	2MS12MA_	12	8.0	30	150	450	100’	10.20
	2MS12MB_	12	8.0	30	150	450	250’	25.50
	2MS16MA_	16	11.0	55	110	330	100’	18.00
	2MS16MB_	16	11.0	55	110	330	250’	45.00

_Insert color designation into part number when ordering.

Custom sizes, colors, lengths are available with minimum quantity. See page 3 for details.

ATP Plastic Hose Products

ATP is proud to further diversify our plastic hose products. Many are familiar with our Armor-Air™ and our 60 Durometer Soft reinforced polyurethane hoses. Not too long ago, ATP introduced its NSF 61® certified Dura-Pure™ reinforced PVC hose. ATP now introduces the new Striper™ reinforced PVC hose.

Armor-Air™
Shore A 85 Durometer
-40˚F To +155˚F
210 PSI working pressure

Soft Polyurethane Hose
Shore A 60 Duremeter
23˚F To +140˚F
120 PSI working pressure

Dura-Pure®
Shore A 73 Durometer
+15˚F To +150˚F
250* PSI working pressure
Depends on size

Striper™
Shore A 62 Durometer
-40˚F - 180˚F
300 PSI working pressure

Armor-Air™ Polyurethane Reinforced Hose

ATP

ATP's hose features an 85 Durometer polyurethane inner and outer tube. Rugged and durable in demanding environments. Lighter in weight than ordinary rubber hose. A sturdy, nylon-reinforced braid between the inner tube and outer cover allows for a higher working pressure. Heat, cold and oil resistant.

Features

Very abrasion resistant
Lightweight
Excellent Flexibility
Supplied with Reusable Nickel-Plated Fittings
Integral Bend Restrictors

Specifications

Temperature Range:
-40˚F To +155˚F
Hardness:
Shore A 85
Working Pressure
210 PSI
Clear blue

Applications

General Water & Air

Part Numbering System

PBH 14-25 CB 2

Polyurethane Braided Hose | Hose I.D. | Package Length | Hose Color | Fitting Size

Assembly Packaged Lengths

25' 50' 100'

Bulk Packaged Lengths

100' 250' 500'

Available Color

Clear Blue

	Part Number	I.D. (IN)	O.D. (IN)	Min. Bend Radius	Supplied Fittings	package length	package weight (LB)
Assemblies	PBH14-25CB2	1/4	3/8	1.000"	1/4" Male Swivel	25'	1.05
	PBH14-50CB2	1/4	3/8	1.000"	1/4" Male Swivel	50'	2.09
	PBH14-100CB2	1/4	3/8	1.000"	1/4" Male Swivel	100'	4.19
	PBH38-25CB2	3/8	9/16	1.625"	1/4" Male Swivel	25'	1.41
	PBH38-50CB2	3/8	9/16	1.625"	1/4" Male Swivel	50'	2.81
	PBH38-100CB2	3/8	9/16	1.625"	1/4" Male Swivel	100'	5.63
	BH38-25CB3	3/8	9/16	1.625"	3/8" Male Swivel	25'	1.41
	PBH38-50CB3	3/8	9/16	1.625"	3/8" Male Swivel	50'	2.81
	PBH38-100CB3	3/8	9/16	1.625"	3/8" Male Swivel	100'	5.63
	PBH12-25CB4	1/2	3/4	2.640"	1/2" Male Swivel	25'	2.36
	PBH12-50CB4	1/2	3/4	2.640"	1/2" Male Swivel	50'	4.72
	PBH12-100CB4	1/2	3/4	2.640"	1/2" Male Swivel	100'	9.44
Bulk - No Fittings	PBH14ACB	1/4	3/8	1.000"	NA	100'	3.42
	PBH14BCB	1/4	3/8	1.000"	NA	250'	6.84
	PBH14CCB	1/4	3/8	1.000"	NA	500'	13.69
	PBH38ACB	3/8	9/16	1.625"	NA	100'	5.88
	PBH38BCB	3/8	9/16	1.625"	NA	250'	11.75
	PBH38CCB	3/8	9/16	1.625"	NA	500'	23.50
	PBH12ACB	1/2	3/4	2.640"	NA	100'	7.72
	PBH12BCB	1/2	3/4	2.640"	NA	250'	15.44
	PBH12CCB	1/2	3/4	2.640"	NA	500'	30.88

Supplied Fittings for Assemblies

Part Number	Nominal ID (IN)	Thread
H14-2MUSBR	1/4	1/4 Male NPT Swivel
H14-3MUSBR	1/4	1/4 Male NPT Swivel
H38-3MUSBR	3/8	3/8 Male NPT Swivel
H12-4MUSBR	1/2	1/2 Male NPT Swivel

Soft Polyurethane Reinforced Hose

ATP

ATP's Soft-Hose features a 60 Durometer polyurethane inner and outer tube which provides amazing flexibility and increased operator comfort. A sturdy, nylon-reinforced braid between the inner and outer tube allows for a higher working pressure. Heat, cold and oil resistant.

Part Numbering System

SH 6.5-25 LG 2

SH: Polyurethane Soft Hose
6.5: Hose I.D.
25: Package Length
LG: Hose Color
2: Fitting Size

Assembly Packaged Lengths

25' 50' 100'

Bulk Packaged Lengths

20M 50M 100M

Available Colors

Light Green, Navy Blue
Orange, Grey

Features

Ergonomic

Lightweight - Lightest weight hose available

Outstanding Flexibility

Kink resistant

Specifications

Temperature Range:
23˚F To +140˚F

Hardness:
Shore A 60

Working Pressure
120 PSI

Applications

General Water & Air

	Part Number	Nominal I.D. (IN)	Color	Min. Bend Radius	Supplied Fittings	package length	package weight (LB)
Assemblies	SH6.5-25_2	1/4	LG, OR*	1.57"	1/4" NPT Rigid	25'	1.05
	SH6.5-50_2	1/4	LG, OR*	1.57"	1/4" NPT Rigid	50'	2.09
	SH6.5-100_2	1/4	LG, OR*	1.57"	1/4" NPT Rigid	100'	4.19
	SH8-25_2	5/16	LG, NB, OR*	2.00"	1/4" NPT Rigid	25'	1.41
	SH8-50_2	5/16	LG, NB, OR*	2.00"	1/4" NPT Rigid	50'	2.81
	SH8-100_2	5/16	LG, NB, OR*	2.00"	1/4" NPT Rigid	100'	5.63
	SH11-25_3	7/16	GY, LG, NB	2.56"	3/8" NPT Rigid	25'	2.36
	SH11-50_3	7/16	GY, LG, NB	2.56"	3/8" NPT Rigid	50'	4.72
	SH11-100_3	7/16	GY, LG, NB	2.56"	3/8" NPT Rigid	100'	9.44
Bulk - No Fittings	SH6.5A__	1/4	LG, OR*	1.57"	NA	25m	3.42
	SH6.5B__	1/4	LG, OR*	1.57"	NA	50m	6.84
	SH6.5C__	1/4	LG, OR*	1.57"	NA	100m	13.69
	SH8A__	5/16	LG, NB, OR*	2.00"	NA	25m	5.88
	SH8B__	5/16	LG, NB, OR*	2.00"	NA	50m	11.75
	SH8C__	5/16	LG, NB, OR*	2.00"	NA	100m	23.50
	SH11A __	7/16	GY, LG, NB	2.56"	NA	25m	7.72
	SH11B __	7/16	GY, LG, NB	2.56"	NA	50m	15.44
	SH11C __	7/16	GY, LG, NB	2.56"	NA	100m	30.88
	SH1/2CLG	1/2	LG	4.00"	NA	100m	36.94

**** = Please advise color choice when ordering***

Supplied Fittings for Assemblies

Part Number	Nominal ID (IN)	Thread
SH-6.5-N2M-SBR	1/4	1/4 Male NPT Rigid
SH-6.5-N3M-SBR	1/4	3/8 Male NPT Rigid
SH-8-N2M-SBR	5/16	1/4 Male NPT Rigid
SH-8-N3M-SBR	5/16	3/8 Male NPT Rigid
SH-11-N3M-SBR	7/16	3/8 Male NPT Rigid
SH-11-N4M-SBR	7/16	1/2 Male NPT Rigid

Dura-Pure® PVC NSF 61® Hose

ATP Dura-Pure® NSF 61 ® PVC Hose is manufactured with a polyester spiraled yarn allowing the hose to be used in higher working pressure applications. It also complies with FDA regulations, and is Phthalate Free and NSF 61® certified for use in potable water and food beverage applications. It provides good chemical resistance, is lightweight, flexible and economically priced.

Part Numbering System

PVCBH 12-34 A NA

PolyvinylChloride Hose — Hose I.D. — Hose O.D. — Package Length — Color: Clear

Colors Available

Clear

Package length

100', 200', 300', and 50'

Part Number	I.D. (IN)	O.D. (IN)	W.P. @70° F (PSI)	package length	package weight (lbs)
PVCBH316-375ANA	.187	.375	250	100'	4.41
PVCBH316-375A3NA	.187	.375	250	300'	13.23
PVCBH14-438ANA	.250	.438	250	100'	5.84
PVCBH14-438A3NA	.250	.438	250	300'	17.52
PVCBH516-531ANA	.313	.531	250	100'	7.39
PVCBH516-531A3NA	.313	.531	250	300'	22.17
PVCBH38-594ANA	.375	.594	225	100'	9.02
PVCBH38-594A3NA	.375	.594	225	300'	27.06
PVCBH12-34ANA	.500	.750	200	100'	13.33
PVCBH12-34A3NA	.500	.750	200	300'	39.99
PVCBH58-891ANA	.625	.891	200	100'	15.93
PVCBH58-891A3NA	.625	.891	200	300'	47.79
PVCBH34-103ANA	.750	1.030	150	100'	20.72
PVCBH34-103A3NA	.750	1.030	150	300'	62.16
PVCBH1-1.3ANA	1.000	1.300	125	100'	29.08
PVCBH1-1.3A2NA	1.000	1.300	125	200'	58.16
PVCBH54-1.62ANA	1.250	1.62	100	100'	45.50
PVCBH64-1.938ANA	1.500	1.938	100	100'	63.49
PVCBH2-2.492ANA+	2.000	2.492	75	50'	92.59

ATP

Features

Lightweight
Flexible
Clear
Phthalate Free

Specifications

Temperature Range:
+15˚F To +150˚F
Hardness: Shore A 73 PVC
Meets FDA Requirements
USP Class VI Rated Materials
NSF 61® Certified &
RoHS Compliant
Reach Prop 65
ASTMF930-03
EN-71 & PAHS
Tolerances:
3/16" - 1/2" I.D.:
+ 0.004/- 0.008
5/8" - 1" I.D.:
+ 0.008/ - 0.012
1.25" - 1.5" I.D.:
+ 0.012/ - 0.016
2" I.D.: + 0.016/ - 0.020

Applications

Beverage
Drain
Potable Water
Laboratory
Low Pressure Air
Distilled Water Transfer
Light Vacuum

Striper™ PVC Reinforced Hose

ATP

ATP Striper™ PVC hose is manufactured with a polyester spiraled yarn allowing the hose to be used in higher working pressure applications. **Striper™** hose was designed to remain highly flexible in extreme cold temperatures.

Features

Abrasion resistant
Lightweight
Excellent Flexibility
Supplied with Reusable Nickel-Plated Fittings
Integral Bend Restrictors

Specifications

Temperature Range:
-40˚F - 180˚F
Hardness:
Shore A 62
Working Pressure
300 PSI

Applications

General Water & Air

Part Numbering System

STH 14-25 BKR 2

Striper™ Hose | Hose I.D. | Package Length | Hose Color | Fitting Size

Assembly Packaged Lengths

25’ 50’ 100’

Bulk Packaged Lengths

100’ 250’ 500’

Available Color

Black w/ Red Stripe

	Part Number	I.D. (IN)	O.D. (IN)	Min. Bend Radius	Supplied Fittings	package length	package weight (lbs)
Assemblies	STH14-25BKR2	1/4	3/8	1.000”	1/4” Male Swivel	25’	1.46
	STH14-50BKR2	1/4	3/8	1.000”	1/4” Male Swivel	50’	2.92
	STH14-100BKR2	1/4	3/8	1.000”	1/4” Male Swivel	100’	5.84
	STH38-25BKR2	3/8	9/16	1.625”	1/4” Male Swivel	25’	2.26
	STH38-50BKR2	3/8	9/16	1.625”	1/4” Male Swivel	50’	4.51
	STH38-100BKR2	3/8	9/16	1.625”	1/4” Male Swivel	100’	9.02
	STH38-25BKR3	3/8	9/16	1.625”	3/8” Male Swivel	25’	2.26
	STH38-50BKR3	3/8	9/16	1.625”	3/8” Male Swivel	50’	4.51
	STH38-100BKR3	3/8	9/16	1.625”	3/8” Male Swivel	100’	9.02
	STH12-25BKR4	1/2	3/4	2.640”	1/2” Male Swivel	25’	3.33
	STH12-50BKR4	1/2	3/4	2.640”	1/2” Male Swivel	50’	6.67
	STH12-100BKR4	1/2	3/4	2.640”	1/2” Male Swivel	100’	13.33
Bulk - No Fittings	STH14ABKR	1/4	3/8	1.000”	NA	100’	5.84
	STH14BBKR	1/4	3/8	1.000”	NA	250’	14.60
	STH14CBKR	1/4	3/8	1.000”	NA	500’	29.20
	STH38ABKR	3/8	9/16	1.625”	NA	100’	9.02
	STH38BBKR	3/8	9/16	1.625”	NA	250’	22.55
	STH38CBKR	3/8	9/16	1.625”	NA	500’	45.10
	STH12ABKR	1/2	3/4	2.640”	NA	100’	13.33
	STH12BBKR	1/2	3/4	2.640”	NA	250’	33.33
	STH12CBKR	1/2	3/4	2.640”	NA	500’	66.65

Supplied Fittings for Assemblies

Part Number	Nominal ID (IN)	Thread
STH14-2MSBR	1/4	1/4 Male NPT Rigid
STH38-2MSBR	3/8	1/4 Male NPT Rigid
STH38-3MSBR	3/8	3/8 Male NPT Rigid
STH12-3MSBR	3/8	3/8 Male NPT Rigid
STH12-4MSBR	1/2	1/2 Male NPT Rigid

TC-14 **Weight: 11.5 oz**

Cutter for small size tube and hose, Size Range: 1/8 in OD - 1/2 in OD (3mm-12mm) Replaceable blade is made of high carbon steel.
The guide helps to cut in a right angle.

TC-14RPK **Weight: 2.0 oz**

5 pack replacement blades for TC-14 tube cutter

TC-100 **Weight: 36.0 oz**

A high quality cutter for cutting plastic tubing, PVC, CPVC, and rubber hose through 1” (2.54 cm).
Replaceable blade is made of high carbon, PTFE coated steel.

T-100 BLADE **Weight: 2.0 oz**

Single blade replacement for TC-100 tube cutter

ETC-20 **Weight: 16.5 oz**

- Cutter for pneumatic tube and hose.
- Cut to length with equipped 1M (3.28’) tape measure.
- The rotatable pentagon blade allows durability 5 times longer.
- The guide helps to cut in a right angle.
- Single blade replacement for TC-100 tube cutter The tube cutter keeps in safety by shifting a lock handle.

ETC-20RPK **Weight: 2.0 oz**

5 pack replacement blades for ETC-20 tube cutter

Decimal & Metric Equivalents

64ths	32nds	16ths	8ths	Decimal	MM
5/64				0.07812	1.864
	3/32			0.09375	2.381
7/64				0.10938	2.778
			1/8	0.12500	3.175
13/64				0.20312	5.195
	7/32			0.21875	5.556
15/64				0.23438	5.953
			1/4	0.25000	6.350
21/64				0.32812	8.334
	11/32			0.34375	8.731
23/64				0.35938	9.128
			3/8	0.37500	9.525
25/64				0.39062	9.922
	13/32			0.40625	10.309
27/64				0.42186	10.716
		7/16		0.43750	11.113
29/64				0.45312	11.509
	15/32			0.46875	11.908
31/64				0.48438	12.303
			1/2	0.50000	12.700

64ths	32nds	16ths	8ths	Decimal	MM
33/64				0.51582	13.097
	17/32			0.53125	13.494
35/64				0.54688	13.891
		9/16		0.56250	14.288
37/64				0.57812	14.684
	19/32			0.59375	15.081
39/64				0.60938	15.478
			5/8	0.62500	15.875
45/64				0.70312	17.859
	23/32			0.71875	18.256
47/64				0.73438	18.653
			3/4	0.75000	19.050
53/64				0.82812	21.034
	27/32			0.84375	21.431
55/64				0.85938	21.823
			7/8	0.87500	22.225
61/64				0.95312	24.209
	31/32			0.96875	24.605
63/64				0.98438	25.003
			1	1.00000	25.400

Measurement Conversion Table

To Convert	*Into*	*Multiply By*	*To Convert*	*Into*	*Multiply By*
Centimeters	Inches	.394	Inches	Centimeters	2.54
	Feet	.0382		Feet	.0833
	Meters	.01	Meters	Centimeters	100
	Millimeter	10		Feet	3.281
Feet	Centimeter	30.48		Inches	39.37
	Inches	12.00		Kilometers	.001
	Meters	.3048		Miles	.0006214
	Miles	.0001894		Millimeters	1000
	Yard	.6777		Yards	1.093
Grams	Ounces	.035			
	Pounds	.002			
	Kilogram	.001			

Temperature Conversions

To convert Fahrenheit degrees into Celsius, subtract 32, multiply by 5, and divide by 9.

To convert Celsius into Fahrenheit, multiply by 9, divide by 5, and add 32.

Custom Straight or Spiral Quote Form

Single or Multi Tube Configurations

ATP® ADVANCED TECHNOLOGY PRODUCTS

Phone: 937.349.4055 Fax: 937.349.4155

In order for us to quote you properly, simply make a copy of this form, fill in your specifications and fax it to 937-349-4155. A drawing will be issued for your approval before production begins. Due to the very special nature of this product, no cancellations can be accepted once production begins.

Copy This Form & Fax it

Straight Technibond

Tube	1	2	3	4	5	6	7	8	9	10
OD										
Color										

Configuration: ☐ Ribbon ☐ Stacked ☐ Special—Please Contact Me

Add Electric: ☐ ATP Standard Wire ☐ Special—Please Specify _____

Total Footage Required: ☐ 25' ☐ 50' ☐ 100' ☐ 250' ☐ 500' ☐ 1000' ☐ +1000'

Spiraled Technibond

Tube	1	2	3	4	5	6	7	8	9	10
OD										
Color										

Configuration: ☐ Ribbon ☐ Stacked ☐ Pyramid ☐ Special—Please Contact Me

Add Electric: ☐ ATP Standard Wire ☐ Special—Please Specify _____

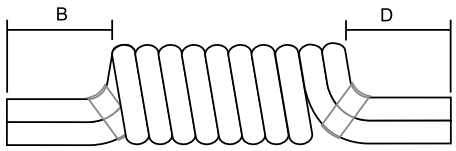
Working Length:

Tail Dimension B:

Tail Dimension D:

Fittings Required:

Quantity:



Contact Information

Contact _____ E-Mail _____

Company Name _____

Address _____

City _____ State _____ Zip _____

Phone _____ Fax _____

Chemical Resistance

	Polyurethane	Nylon12	Polyethylene	PVC	PTFE	Weld Tubing Cover
Acids						
Acetic, 3n	B	E	A	A	A	A
Boric, 4%	B	A	A	A	A	A
Chromic, 3n	D	E	A	A	A	—
Citronic, 3n	B	—	A	A	A	—
Formic, 3n	D	A	A	A	A	A
HC1, 3n	A	E	A	A	A	—
Lactic, 3n	C	B	A	A	A	A
Nitric, 3n	D	E	A	A	A	B
Phosphoric, 3n	D	D	A	A	A	A
Sulfuric, <20%	A	B	A	A	A	A
Sulfuric, >20%	B	C	B	A	A	A
Alkalines						
Ammonia, 3n	A	A	—	A	A	A
Potassium Hydroxide, 3n	A	—	A	A	A	A
Sodium Hydroxide, <20%	A	A	A	A	A	A
Sodium Hydroxide, >20%	C	A	—	A	A	A
Aqueous Solution						
Aluminum Chloride, 10%	B	—	A	A	A	A
Ammonium Chloride, 10%	B	A	A	A	A	A
Bleaching Agent, 40%	A	E	—	—	A	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	A
Hydrogen Peroxide, 3%	A	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	A
Fuels						
ASTM Fuel A	A	—	—	B	A	—
ASTM Fuel B	C	—	—	C	A	—
ASTM Fuel C	C	—	—	—	A	—
Diesel Fuel	B	A	—	B	A	D
Gasohol (10-15% Methanol)	D	—	—	—	A	—
High-test (Super) Gasoline	D	A	—	—	A	—
Kerosene	A	V	—	B	A	D
Oils						
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	B

	Polyurethane	Nylon12	Polyethylene	PVC	PTFE	Weld Tubing Cover
Greases						
Calcium Grease	A	—	—	—	A	—
Sodium Grease	A	—	—	—	A	—
Teflon® Grease	A	—	—	—	A	—
Miscellaneous						
Dioctyl Phthalate (DOP)	A	—	C	C	A	—
Ethylene Chloride	B	C	D	—	A	D
Ethylene Glycol/Water 50/50	B	—	—	A	A	A
Household Cleaner	B	—	—	—	A	—
Naptha	A	—	A	B	A	D
Silage (Silo) Juice	B	—	—	—	A	—
Natural Perspiration	A	—	—	—	A	—
Tincture of Iodine	D	—	—	—	A	—
Tricresyl Phosphate	D	—	—	C	A	—
Solvents						
Acetone	D	A	D	C	A	B
Aniline	D	B	B	B	A	—
Benzene	D	A	D	C	A	D
Benzyl Alcohol	E	—	—	—	A	B
Butane	B	A	—	—	A	B
Butyl Acetate	D	A	B	C	A	—
Butyl Alcohol	D	A	A	—	A	—
Carbon Tetrachloride	D	A	D	C	A	D
Chlorobenzene	D	C	D	C	A	D
Chloroform	D	C	D	C	A	D
Cyclohexane	C	A	—	A	A	D
Ethanol	C	—	B	—	A	B
Ether	C	A	—	—	A	B
Ethyl Acetate	D	A	C	C	A	A
Freon 11, 12, 22	C	—	—	—	A	D
Glycerine & Glycol	A	A	B	A	A	A
Heptane	B	A	D	B	A	—
Hexane	B	A	—	B	A	—
Isopropyl Alcohol	C	A	—	—	A	—
Methanol	C	—	B	—	A	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	B
Tetrachloroethylene	D	—	—	C	A	—
Tetrahydrofuran	D	B	D	C	A	B
Toluene	D	A	D	C	A	D
Trichloroethylene	D	C	D	C	A	D
Turpentine (Pine Oil)	B	A	C	B	A	B
Xylene	D	A	—	C	A	D

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

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.

ATP has 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.

Catalog # 04-15

Spiral Recoil Hoses

Techniblue™, Technithane™ and our industry exclusives—the "Strong™" and "Strong-Plus™." A tighter coil ID gives our Strong hoses better memory retention. The "Plus" is a lightweight, ergonomic, hose whip providing surface protection and operator comfort. Custom models are our specialty.

Technifit™ Pneumatic Push-To-Connect Fittings

All are made to extremely tight tolerances and work with ATP tubing to eliminate leaks. Our variety of fittings represents a large selection of the most common models, sizes and materials. Additional models and sizes-including stainless materials and Viton® seals are available as special order.

Technibond®

Thermally-bonded, polyurethane tube groupings available in straight and spiral configurations. Wire can be added to carry electric. Custom configurations welcome with no minimum quantities.

New & Improved!

ARMOR-AIR™ Contractors Air Hose

This upgraded hose has been formulated with a lighter clear blue color to allow a better view of contaminants. The redesigned bend restrictors and nickel plated fittings allow for more longevity, while providing a more professional look and feel. Lightweight, flexible, and much more abrasion-resistant than traditional rubber air hoses makes Armor-Air™ a must have for any compressed air application.

Free Angle® Swivel Fitting

The rubber boot has been replaced by an exclusive steel cover giving it a much longer service life. Our two rotation points make this superior to the imitators. The ergonomic, patented 360° circular rotation and 45° angled rotation makes this fitting indispensable for air tool and assembly applications.

Hose & Cable Balancers

Durable cases and high-quality internal components make up our balancers. Ideal for workstation ergonomics.

Oetiker® Clamps

The Oetiker® Clamp creates a spring effect when the hose material expands or contracts in response to thermal or mechanical influences such as temperature, vibration, etc. Single ear, double ear and stepless in both carbon steel and stainless steel.

Brass Fittings

ATP offers a full line of brass fittings to meet your connection needs. We offer hose fittings, hose barbs, pipe fittings, and mufflers in both fractional and metric sizes. Available in NPT or BSPT.

Quick Disconnect Couplings

Available in low pressure, steel, brass and stainless for pneumatic applications. Several models of safety couplings are also available from stock.

Blow Guns

ATP offers a wide variety of blow guns ranging from an economical safety blow gun to rugged high end ultra quiet blow guns, all available with various interchangeable nozzles.

Viton® is registered trademark of the E.L. DuPont Co

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