



MAZZER INDUSTRIES, INC.

700 Mile Crossing Blvd - Suite 4
Rochester, NY 14624
Tel. 716-247-0311 Fax 800-736-8784
www.mazzerplastics.com

MAZZER PRODUCTS CATALOG

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While we strive to print the "perfect catalog", mistakes are always possible. Please call our Customer Service if you have question or doubts about the printed data. Corrections and suggestions are always appreciated

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Our parent company, Mazzer MateriePlastiche, is located in Northern Italy. It was incorporated in 1963 by Mr. Giacomo Mazzer, who is CEO of Mazzer MateriePlastiche and of the US operation, Mazzer Industries.

Mazzer Industries opened its USA location in 1987. Its 11,000 sqf offices and warehouse facilities are located in Rochester, NY. Mazzer Industries' President is Ms. Mikaela "Miki" Mazzer



**Mazzer Materie Plastiche
is an ISO 9001
certified company**



Mazzer Industries is a member of

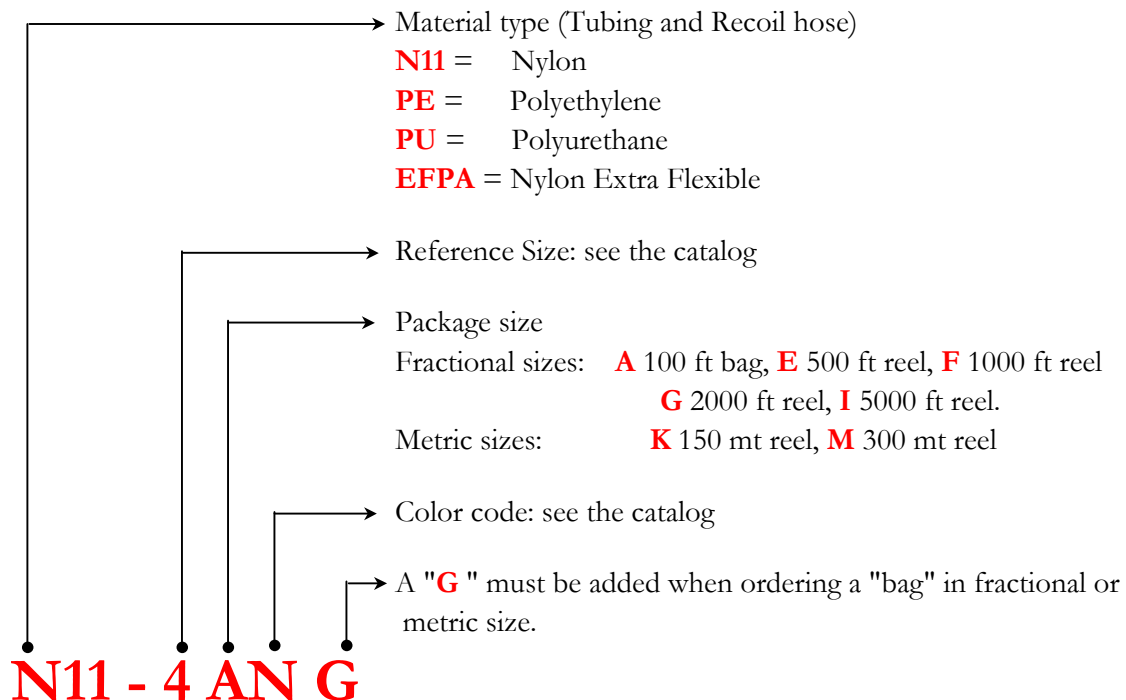


NFPA



MAZZER TUBING: ORDERING & PACKAGING

Tubing is sold in bags (100 ft or 25 meters) or in 3 different sizes (SMALL, MEDIUM, LARGE) of cardboard reels assembled with metal plug.



MAZZER POLICY

Terms of sales:

- Minimum order of **\$ 50.00 net**. Orders below minimum are subject to a \$ 15.00 handling charge
- Orders shipped UPS are **Pre-paid** and **Add**, FOB shipping point. All other orders are shipped collect
- Drop shipment will be made only in case of emergency and will be subject to all existing policies and a 20 % premium.
- Sales taxes are not included in list prices.
- Merchandise may be returned, for other reasons than the ones described in the below Mazzer Warranty, not over 30 days from shipment, and after Mazzer issuing a RGA (Return Good Authorization). a 20 % re-stocking charge will be applied and freight must be pre-paid.
- All special products or non-standard items are subject to a 10% over or under quantity. Order of special product cannot be canceled and merchandise cannot be returned.
- Prices are subject to changes without notice.
- Sales on pre-approved credit accounts are Net 30 days.
- For faster service, please fax orders to 1-800-736-8784.

MAZZER WARRANTY

Every effort has been made to ensure that the information provided here is accurate and reliable, but due to the possibility of typographical errors and variable working conditions, MAZZER INDUSTRIES, INC., cannot be responsible for result of or damages caused by its products.

MAZZER INDUSTRIES, INC. warrant all its sold products to be of the highest quality and guarantee those products for a period of one year from all defects of material and workmanship, for replacement only.

MAZZER INDUSTRIES, INC. will replace such products after inspection and verification of non-compliance to published MAZZER specifications, by MAZZER designated persons.

MAZZER INDUSTRIES, INC. makes no other warranties of merchantability or fitness for any purpose and shall not be responsible for any incidental or consequential damages.



MAZZER TUBING PRESSURE DROPPING WITH TEMPERATURE

MAZZER INDUSTRIES - 700 Mile Crossing Blvd.
Rochester NY, 14624
Tel: 716 2470311- Fax: 716 2470864
info@mazzerplastics.com

PART #	O.D.	I.D.	WALL	MIN. BEND	MIN.BURST PRESSURE					
	NOM.	NOM.	THICKNESS	RADIUS ++						
	IN.	IN.	NOM.IN.	IN.	PSI @ 75 F	PSI @ 100	PSI @125	PSI @ 150	PSI @175	PSI @ 200
N11 2	1/8	.080	.023	.70	1000	900	800	700	600	500
N11 2.5	5/32	.106	.025	.94	1000	900	800	700	600	500
N11 3	3/16	.118	.035	1.1	1000	900	800	700	600	500
N11 4	1/4	.180	.035	1.5	1000	900	800	700	600	500
N11 417***	1/4	.170	.040	1.5	1200	1080	960	840	720	600
N11 462	1/4	.126	.062	1.5	2000	1800	1600	1400	1200	1000
N11 5	5/16	.233	.040	1.85	1000	900	800	700	600	500
N11 6	3/8	.275	.050	2.25	1000	900	800	700	600	500
N11 8	1/2	.375	.062	3	1000	900	800	700	600	500
N11 10	5/8	.500	.062	3.75	600	540	480	420	360	300
N11 12	3/4	.560	.095	4.5	790	711	632	553	474	395
N11 16	1	.750	.125	6	790	711	632	553	474	395
N11 0427	4	2.7	.65	24	1086	977	868.8	760	651.6	543
N11 0402	4	2	1	24	1956	1760	1564.8	1369	1173.6	978
N11 0533	5	3.3	.85	30	1015	914	812	711	609	507.5
N11 0604	6	4	1	36	1233	1110	986.4	863	739.8	616.5
N11 0806	8	6	1	48	841	757	672.8	589	504.6	420.5
N11 0855	8	5.5	1.25	50	1073	966	858.4	751	643.8	536.5
N11 1008	10	8	1	60	609	548	487.2	426	365.4	304.5
N11 1075	10	7.5	1.25	70	827	744	661.6	579	496.2	413.5
N11 1210	12	10	1	75	464	418	371.2	325	278.4	232
N11 1209	12	9	1.5	84	914	823	731.2	640	548.4	457
N11 1412	14	12	1	98	392	353	313.6	274	235.2	196
N11 1512	15	12	1.5	105	696	626	556.8	487	417.6	348
N11 1613	16	13	1.5	112	638	574	510.4	447	382.8	319
PE 2	1/8	.080	.023	.39	500	450	400	350	300	250
PE 2.5	5/32	.106	.025	.47	500	450	400	350	300	250
PE 3	3/16	.118	.035	.59	500	450	400	350	300	250
PE 4	1/4	.170	.040	.98	500	450	400	350	300	250
PE 562	5/16	.188	.062	1.25	500	450	400	350	300	250

REF.	O.D.	I.D.	WALL	MIN. BEND	MIN.BURST PRESSURE					
	NOM.	NOM.	THICKNESS	RADIUS ++						
SIZE	IN.	IN.	NOM.IN.	IN.	PSI @ 75 F	PSI @ 100	PSI @125	PSI @ 150	PSI @175	PSI @ 200
PE 662	3/8	.250	.062	1.5	500	450	400	350	300	250
PE 8	1/2	.375	.062	2.5	400	360	320	280	240	200
PE 0425	4	2.5	0.75	12	500	450	400	350	300	250
PE 0604	6	4	1	36	500	450	400	350	300	250
PE 0806	8	6	1	48	350	315	280	245	210	175
PE 1008	10	8	1	60	250	225	200	175	150	125
PE 1210	12	10	1	140	200	180	160	140	120	100
PU 2	1/8	1/16	.032	.35	400	360	320	280	240	200
PU 2.5	5/32	3/32	.032	.47	400	360	320	280	240	200
PU 3	3/16	1/8	.032	.55	400	360	320	280	240	200
PU 4	1/4	1/8	.062	.75	400	360	320	280	240	200
PU 445	1/4	.159	.045	.75	250	225	200	175	150	125
PU 5	5/16	1/4	.031	1.38	100	90	80	70	60	50
PU 562	5/16	3/16	.062	.95	330	297	264	231	198	165
PU 6	3/8	1/4	.062	1.5	330	297	264	231	198	165
PU 8	1/2	3/8	.062	1.97	330	297	264	231	198	165
PU 0425	4	2.5	0.75	12	400	360	320	280	240	200
PU 0503	5	3	1	15	400	360	320	280	240	200
PU 0604	6	4	1	18	400	360	320	280	240	200
PU 0806	8	6	1	24	330	297	264	231	198	165
PU 1007	10	7	1.5	40	330	297	264	231	198	165
PU 1208	12	8	2	48	330	297	264	231	198	165
EFPA 2	1/8	.080	.023	.47	700	630	560	490	420	350
EFPA 2.5	5/32	.106	.025	.63	650	585	520	455	390	325
EFPA 3	3/16	.118	.035	.71	790	711	632	553	474	395
EFPA 4	1/4	.180	.035	.87	550	495	440	385	330	275
EFPA 5	5/16	.233	.040	1.42	500	450	400	350	300	250
EFPA 6	3/8	.275	.050	2.16	500	450	400	350	300	250
EFPA 8	1/2	.375	.062	2.36	490	441	392	343	294	245

NB: The ratings above should be used as a general guidelines only. The tubing performance depends from different factors such as ,chemicals, type of pressure (static or pulsating), aging. The safety factor adopted set the minimum bursting pressure four (4) times the working pressure.



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 Fax 800-736-8784

MAZZER TUBING: CHARACTERISTICS, PERFORMANCES AND COST COMPARISON

The following chart provides some information about the four types of tubing carried by Mazzer Industries. This information is intended as a reference only. While tubing performances depend on their chemical composition and physical characteristics, the modality of use and installation are so variable and unpredictable, that only the user experience and his/her application knowledge may provide the expected results.

Characteristics and performances				
	Nylon 11/12	Extra flexible long life Nylon	Polyethylene	Polyurethane
P/N	N11 417 F	EFPA 4 F	PE 4 F	PU 445 F
OD	inches			
Wall thik.	1/4 0.040	1/4 0.035	1/4 0.04	1/4 0.045
Minimum bursting pressure	(psi at 75 F)			
	1,200	550	500	250
Minimum bend radius	inches			
	1.5	0.87	0.98	0.75
Hardness	ASTM D 785			
	72 Shore D	50 Shore D	46 Shore D	95 Shore A
Temp. range	-60 to 200 F	-40 to +190 F	-100 to +175 F	-40 to +180 F
Cost *	\$233.87	\$237.07	\$65.34	\$282.68

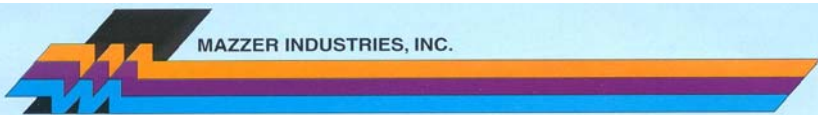
* List prices as per August 2001, based on 1,000 feet spool

The market offers tubing manufactured with Polyamide (PA, also comonly called Nylon) in different types: Nylon 6, 11 and 12. Some Polyamide manufacturers call their products with brand names, like Cordura, Rilsan and the like.

Nylon 6 is rarely used for tubing, though less expensive, because it tends to absorb water, increasing in dimension. This behavior may generate significant changes in the length of the tubing.

Nylon 11 and 12 are very similar products, and they show almost identical performances, although they originate from different base materials: Castor Oil for Nylon 11 and Oil for Nylon 12. Mazzer uses mostly Nylon 12, it though may use also a blend of Nylon 11 and 12. Please, refer to the marking on each lot of tubing.

	Origin	Melting point (F degrees)	Specific weight (g /cc)	Chemical compatibility	Elongation break (%)	Moisture absorption (%)	Rockwell hardness "R"	Abrasion resistance (Wear Index)
Specification		D 3418	D 792	the same	D 638	D 570	D 785	NFT 46-102
N11	Castor oil	340	1.03		360	0.89	78	1
N12	oil	361	1.05		360	0.85	75	1

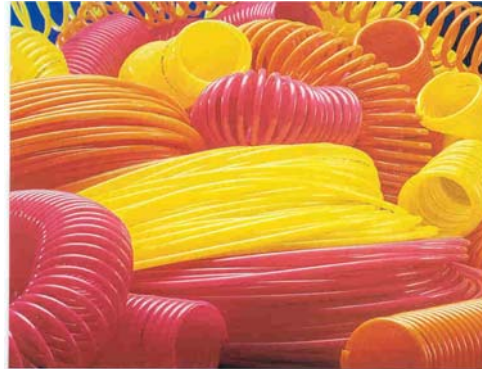


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MAZZER NYLON TUBING 11/12

THE MOST UNIVERSAL OF ALL THERMOPLASTIC TUBING

This formulation for flexible premium tubing is the standard for both general, industrial and automotive applications. Its broad temperature range (-60 F., to +200 F. continuous) combined with light weight, long fatigue resistance, dimensional stability, excellent abrasion resistance, low moisture absorption and flexibility, make it the most universal of all thermoplastic tubing



- APPLICATIONS :**
- Fresh & Salt Water
 - Petrochemicals
 - Oils
 - Pneumatics
 - General Chemicals
 - Coolant
 - Lubricants
 - Hydraulic
 - Gasses
 - Fuel
 - Vacuum
 - Machine Tools

HARDNESS : 72 SHORE D (ASTM D 785)

MAZZER TUBING CHEMICAL COMPATIBILITY CHART

The information given in this chart should be used as a guide only. Our laboratory testing does not take into consideration possible variations of conditions during effective service.

Acetate Solvents	Excellent	Diesel Fuel	Excellent	Moisture	Limited
Acetic Acid (10%)	Limited	Ethanol	Limited	Naphtha	Excellent
Acetone	Excellent	Ether	Excellent	Natural Gas	Excellent
Acetylene	Excellent	Ethyl Alcohol	Excellent	Nickel Chloride	Excellent
Alum	Excellent	Ethyl Acetate	Limited	Nitric Acid	Unsuitable
Aluminum Chloride	Excellent	Ethyl Chloride	Excellent	Nitrogen	Excellent
Ammonia Gas	Excellent	Formaldehyde	Excellent	Oleic Acid	Excellent
Ammonia Liquid	Limited	Formic Acid	Limited	Oxygen (cold)	Excellent
Ammonium Chloride	Excellent	Freon 12-22-502	Excellent	Ozone (cold)	Excellent
Ammonium Nitrate	Excellent	Gas Oil	Excellent	Paints	Excellent
Amyl acetate	Limited	Gasoline	Excellent	Petroleum (Raw)	Excellent
Barium Chloride	Excellent	Glucose	Excellent	Phenol	Unsuitable
Benzene Chloride	Unsuitable	Glycerin	Excellent	Potassium Chloride	Excellent
Benzine (Benzol)	Limited	Glycol	Excellent	Potassium Cyanide	Excellent
Borax	Excellent	Hydraulic Oil	Excellent	Propane	Excellent
Boric Acid	Limited	Hydrogen	Excellent	Sodium Bisulphate	Excellent
Butane	Excellent	Hydrogen	Excellent	Sodium Chloride	Excellent
Butilic Alcohol	Excellent	Iron Cholrine	Excellent	Sodium Nitrate	Excellent
Butyl Acetate	Excellent	Kerosene	Excellent	Sulphides	Excellent
Calcium Hydroxide	Excellent	Lactid Acid	Excellent	Sulphuric Chloride	Unsuitable
Carbonic Acid	Excellent	LPG (Liquid Gas)	Excellent	Sulphuric Hydrogen	Excellent
Carbonic Dioxide	Excellent	Lubricating Oils	Excellent	Toluene (Toluol)	Excellent
Carbonic Oxide	Excellent	Magnesium Chloride	Excellent	Trichlorethylene	Limited
Chloro Gas	Unsuitable	Mercuric Cholride	Excellent	Xilene	Excellent
Chromic Acid	Unsuitable	Mercury	Excellent	Zinc Chloride	Excellent
Citric acid	Excellent	Methylic	Limited		
Cyanide	Excellent	Mineral Oil	Excellent		

NYLON 11/12 straight tubing SIZE CHART

INCHES

	O.D.	I.D.	WALL	MIN. BEND	O.D.	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	IN.	IN.	NOM.IN.	IN.	IN.	IN.	PSI @ 75 F	LENGTH	
N11 2	1/8	.080	.023	.70	+ .002 - .0045	+/- .004	1 000	100, 500, 1 000 ft.*	
N11 2.5	5/32	.106	.025	.94	+ .002 - .0045	+/- .004	1 000	100, 500, 1 000 ft.*	
N11 3	3/16	.118	.035	1.1	+ .002 - .0055	+/- .004	1 000	100, 500, 1 000 ft.*	
N11 4	1/4	.180	.035	1.5	+ .002 - .0055	+/- .004	1 000	100, 500, 1 000 ft.+	
N11 417***	1/4	.170	.040	1.5	+ .002 - .0055	+/- .004	1 200	100, 500, 1 000 ft.+	
N11 462	1/4	.126	.062	1.5	+ .002 - .0055	+/- .004	2 000	100, 500, 1 000 ft.+	
N11 5	5/16	.233	.040	1.85	+ .002 - .0055	+/- .004	1 000	100, 500, 1 000 ft.+	
N11 6	3/8	.275	.050	2.25	+ .002 - .0055	+/- .004	1 000	100, 500, 1 000 ft.	
N11 8	1/2	.375	.062	3	+ .002 - .0055	+/- .004	1 000	100, 500 ft.	
N11 10	5/8	.500	.062	3.75	+/- .004	+/- .004	600	100 ft.	
N11 12	3/4	.560	.095	4.5	+/- .004	+/- .004	790	100 ft.	
N11 16	1	.750	.125	6	+/- .006	+/- .006	790	100 ft.	

***DOT approved tubing

* Reels available up to 5 000 ft.

+ Reels available up to 2 000 ft.

METRIC

	O.D.	I.D.	WALL	MIN. BEND	O.D.	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	MM.	MM.	NON.MM.	MM.	MM.	MM.	bar/psi @ 75 F	LENGTH	
N11 0427	4	2.7	.65	24	+ .05 - .1	+/- .1	75/1 086	25, 150, 300 meters*	
N11 0402	4	2	1	24	+ .05 - .1	+/- .1	134/1 956	25, 150, 300 meters*	
N11 0533	5	3.3	.85	30	+ .05 - .1	+/- .1	70/1 015	25, 150, 300 meters*	
N11 0604	6	4	1	36	+ .05 - .1	+/- .1	85 /1 233	25, 150, 300 meters	
N11 0806	8	6	1	48	+ .05 - .1	+/- .1	58/841	25, 150, 300 meters+	
N11 0855	8	5.5	1.25	50	+ .05 - .1	+/- .1	74 /1 073	25, 150, 300 meters+	
N11 1008	10	8	1	60	+ .05 - .1	+/- .1	42 /609	25, 150, 300 meters+	
N11 1075	10	7.5	1.25	70	+ .05 - .1	+/- .1	57 /827	25, 150, 300 meters+	
N11 1210	12	10	1	75	+ .05 - .1	+/- .1	32/464	25, 150, 300 meters+	
N11 1209	12	9	1.5	84	+ .05 - .1	+/- .1	63/914	25, 150, 300 meters+	
N11 1412	14	12	1	98	+ .05 - .1	+/- .1	27 /392	25 meters	
N11 1512	15	12	1.5	105	+/- .1	+/- .1	48/696	25 meters	
N11 1613	16	13	1.5	112	+/- .1	+/- .1	44/638	25 meters	

* Reels available up to 1 500 meters

+ Reels available in 500 meters

Conversions:

1" corresponds to 25.41 MM (millimeters) 1 bar corresponds to 14.5 psi

To convert Fahrenheit to Celsius subtract 32 from Fahrenheit, divide by 9 and multiply by 5

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

++ Specified minimum bend radius is for minimal tube flattening.

*** The safety factor adopted set the minimum bursting pressure at four (4) times the working pressure. Please, always remember that the bursting and working pressure data listed are determined at 75 degrees+ B136 F (24 Celsius)

Colors (insert appropriate letter when ordering):

N Natural **B** Black **R** Red **BU** Blue **G** Green **Y** Yellow **OR** Orange **GY** Gray



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MAZZER POLYETHYLENE TUBING

ECONOMIC LINEAR LOW DENSITY P.E. FOR LOWER TEMPERATURE AND PRESSURE

Mazzer quality brings this, the first practical thermoplastic resin for industrial tubing, to a new precise standard for today's applications. Broad chemical, solvent, and corrosive atmospherical resistance with good dimensional stability makes polyethylene suitable for many general applications. Temperature range (-100 F. + 175 F.) is combined with light weight and medium flexibility. Low price combined with the best resins and Mazzer dimensional accuracy makes this an outstanding value.

- Vermin and Fungus proof
- Low cost
- Dimensional stability
- Broad range of corrosion resistance and chemical compatibility

APPLICATIONS :

- Instrumentations
- Food processing
- Corrosive atmosphere environments
- General low pressure & temperature applications



HARDNESS : 46 SHORE D (ASTM D 785)

MAZZER TUBING CHEMICAL COMPATIBILITY CHART

The information given in this chart should be used as a guide only. Our laboratory testing does not take into consideration possible variations of conditions during effective service.

Acetate Solvents	Limited	Diesel Fuel	Excellent	Moisture	Excellent
Acetic Acid (10%)	Excellent	Ethanol	Limited	Naphtha	Excellent
Acetone	Limited	Ether	Unsuitable	Natural Gas	Excellent
Acetylene	Excellent	Ethyl Alcohol	Excellent	Nickel Chloride	Excellent
Alum	Excellent	Ethyl Acetate	Limited	Nitric Acid	Unsuitable
Aluminum Chloride	Excellent	Ethyl Chloride	Unsuitable	Nitrogen	Excellent
Ammonia Gas	Unsuitable	Formaldehyde	Excellent	Oleic Acid	Excellent
Ammonia Liquid	Unsuitable	Formic Acid	Limited	Oxygen	Limited
Ammonium Chloride	Excellent	Freon 12-22-502	Excellent	Ozone	Limited
Ammonium Nitrate	Excellent	Gas Oil	Excellent	Paints	Excellent
Amyl acetate	Limited	Gasoline	Excellent	Petroleum (Raw)	Excellent
Barium Chloride	Excellent	Glucose	Excellent	Phenol	Unsuitable
Benzene Chloride	Unsuitable	Glycerin	Excellent	Potassium Chloride	Excellent
Benzine (Benzol)	Limited	Glycol	Excellent	Potassium Cyanide	Excellent
Borax	Excellent	Hydraulic Oil	Excellent	Propane	Excellent
Boric Acid	Limited	Hydrogen	Excellent	Sodium Bisulphate	Excellent
Butane	Excellent	Hydrogen	Excellent	Sodium Chloride	Excellent
Butilic Alcohol	Limited	Iron Chlorine	Excellent	Sodium Nitrate	Excellent
Butyl Acetate	Excellent	Kerosene	Excellent	Sulphides	Excellent
Calcium Hydroxide	Excellent	Lactid Acid	Excellent	Sulphuric Chloride	Excellent
Carbonic Acid	Excellent	LPG (Liquid Gas)	Excellent	Sulphuric Hydrogen	Excellent
Carbonic Dioxide	Excellent	Lubricating Oils	Excellent	Toluene (Toluol)	Limited
Carbonic Oxide	Excellent	Magnesium Chloride	Excellent	Trichlorethylene	Unsuitable
Chloro Gas	Unsuitable	Mercuric Cholride	Excellent	Xilene	Excellent
Chromic Acid	Unsuitable	Mercury	Excellent	Zinc Chloride	Limited
Citric acid	Excellent	Methylic	Excellent		
Cyanide	Excellent	Mineral Oil	Excellent		

POLYETHYLENE straight tubing SIZE CHART

INCHES

	O.D.	I.D.	WALL	MIN. BEND	O.D.	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	IN.	IN.	NOMIN.	IN.	IN.	IN.	PSI @ 75 F	LENGTH	
PE 2	1/8	.080	.023	.39	+/- .004	+/- .004	500	100, 500, 1 000 ft.*	
PE 2.5	5/32	.106	.025	.47	+/- .004	+/- .004	500	100, 500, 1 000 ft.*	
PE 3	3/16	.118	.035	.59	+/- .004	+/- .004	500	100, 500, 1 000 ft.*	
PE 4	1/4	.170	.040	.98	+/- .004	+/- .004	500	100, 500, 1 000 ft.+	
PE 562	5/16	.188	.062	1.25	+/- .004	+/- .004	500	100, 500, 1 000 ft.+	
PE 662	3/8	.250	.062	1.5	+/- .004	+/- .004	500	100, 500, 1 000 ft.	
PE 8	1/2	.375	.062	2.5	+/- .004	+/- .004	400	100, 500 ft.	

* Reels available up to 5 000 ft.

+ Reels available up to 2 000 ft.

Colors (insert appropriate letter when ordering):

N Natural B Black R Red BU Blue G Green Y Yellow OR Orange GY Gray

METRIC

	O.D.	I.D.	WALL	MIN. BEND	O.D.	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	MM.	MM.	NON.MM.	MM.	MM.	MM.	bar/psi @ 75 F	LENGTH	
PE 0425	4	2.5	0.75	12	+ .05 - .1	+/- .1	35/500	25, 150, 300 meters*	
PE 0604	6	4	1	36	+ .05 - .1	+/- .1	35/500	25, 150, 300 meters	
PE 0806	8	6	1	48	+ .05 - .1	+/- .1	24/350	25, 150, 300 meters+	
PE 1008	10	8	1	60	+ .05 - .1	+/- .1	17/250	25, 150, 300 meters+	
PE 1210	12	10	1	140	+ .05 - .1	+/- .1	14/200	25, 150, 300 meters+	

* Reels available up to 1 500 meters

+ Reels available in 500 meters

Conversions:

1" correspond to 25.41 MM (millimeters) 1 bar correspond to 14.5 psi

To convert Fahrenheit to Celsius subtract 32 from Fahrenheit, divide by 9 and multiply by 5

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

++ Specified minimum bend radius is for minimal tube flattening.

*** The safety factor adopted set the minimum bursting pressure at four (4) times the working pressure. Please, always remember

that the bursting and working pressure data listed are determined at 75 degree F (24 Celsius)

Colors (insert appropriate letter when ordering):

N Natural B Black BU Blue Others colors on special order



700 Mile Crossing Blvd. Suite 4
 Rochester, NY 14624
 Tel. 716-247-0311
 Fax 800-736-8784

MAZZER POLYURETHANE TUBING-95 DUROMETER

THE RUBBER-LIKE TUBING WITH ALL THE ADVANTAGES OF PLASTICS

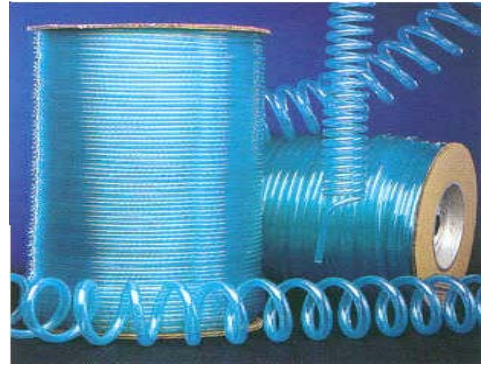
Mazzer polyurethane ETHER based tubing has the characteristics of an elastomer with good elongation and recovery along with many of the desirable properties of thermoplastics. The temperature range is - 40 F. + 180 F. and is the most flexible of all plastic tubing. Polyurethane has good chemical and abrasion resistance yet tough and flexible.

- Most flexible
- Kink resistant
- Excellent abrasion resistance
- Broad range of chemical resistance
- Toughest
- Excellent oxidation and ozone resistance

APPLICATIONS :

- Instrumentation
- Machine tools
- Food processing equipment
- General manufacturing applications
- General medical applications
- General laboratory use
- Automotive

HARDNESS : 95 SHORE A (ASTM D 785)



MAZZER TUBING CHEMICAL COMPATIBILITY CHART

The information given in this chart should be used as a guide only. Our laboratory testing does not take into consideration possible variations of conditions during effective service.

Acetate Solvents	Limited	Diesel Fuel	Excellent	Moisture	-
Acetic Acid (10%)	Limited	Ethanol	Limited	Naphtha	Excellent
Acetone	Unsuitable	Ether	Limited	Natural Gas	Excellent
Acetylene	Excellent	Ethyl Alcohol	Limited	Nickel Chloride	Excellent
Alum	Excellent	Ethyl Acetate	Limited	Nitric Acid	Unsuitable
Aluminum Chloride	Excellent	Ethyl Chloride	Excellent	Nitrogen	Excellent
Ammonia Gas	Excellent	Formaldehyde	Excellent	Oleic Acid	Limited
Ammonia Liquid	Limited	Formic Acid	Unsuitable	Oxygen	Excellent
Ammonium Chloride	Excellent	Freon 12-22-502	Excellent	Ozone (cold)	Excellent
Ammonium Nitrate	Limited	Gas Oil	Limited	Paints	Limited
Amyl acetate	Limited	Gasoline	Excellent	Petroleum (Raw)	Excellent
Barium Chloride	Excellent	Glucose	Excellent	Phenol	Unsuitable
Benzene Chloride	Unsuitable	Glycerine	Excellent	Potassium Chloride	Unsuitable
Benzine (Benzol)	Unsuitable	Glycol	Excellent	Potassium Cyanide	Excellent
Borax	Unsuitable	Hydraulic Oil	Excellent	Propane	Excellent
Boric Acid	Limited	Hydrogen	Excellent	Sodium Bisulphate	Excellent
Butane	Excellent	Hydrogen	Excellent	Sodium Chloride	Excellent
Butilic Alcohol	Limited	Iron Cholrine	Excellent	Sodium Nitrate	Excellent
Butyl Acetate	Unsuitable	Kerosene	Excellent	Sulphides	Limited
Calcium Hydroxide	Unsuitable	Lactid Acid	Unsuitable	Sulphuric Chloride	Limited
Carbonic Acid	-	LPG (Liquid Gas)	Excellent	Sulphuric Hydrogen	Limited
Carbonic Dioxide	Excellent	Lubricating Oils	Excellent	Toluene (Toluol)	Unsuitable
Carbonic Oxide	Unsuitable	Magnesium Chloride	Excellent	Trichlorethylene	Unsuitable
Chloro Gas	Unsuitable	Mercuric Cholride	Excellent	Xilene	Unsuitable
Chromic Acid	Unsuitable	Mercury	Excellent	Zinc Chloride	Limited
Citric acid	Excellent	Methylic	Limited		
Cyanide	Unsuitable	Mineral Oil	Excellent		

POLYURETHANE straight tubing SIZE CHART

INCHES

	O.D.	I.D.	WALL	MIN. BEND	O.D.+++	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	IN.	IN.	NOM.IN.	IN.	IN.	IN.	PSI @ 75 F	LENGTH	
PU 2	1/8	1/16	.032	.35	+/- .008	+/- .005	400	100, 500, 1 000 ft.*	
PU 2.5	5/32	3/32	.032	.47	+/- .008	+/- .005	400	100, 500, 1 000 ft.*	
PU 3	3/16	1/8	.032	.55	+/- .008	+/- .005	400	100, 500, 1 000 ft.*	
PU 4	1/4	1/8	.062	.75	+/- .008	+/- .005	400	100, 500, 1 000 ft.+	
PU 445	1/4	.159	.045	.75	+/- .008	+/- .005	250	100, 500, 1 000 ft.+	
PU 5	5/16	1/4	.031	1.38	+/- .010	+/- .010	100	100, 500, 1 000 ft.+	
PU 562	5/16	3/16	.062	.95	+/- .010	+/- .010	330	100, 500, 1 000 ft.+	
PU 6	3/8	1/4	.062	1.5	+/- .010	+/- .010	330	100, 500, 1 000 ft.	
PU 8	1/2	3/8	.062	1.97	+/- .010	+/- .010	330	100, 500 ft.	

* Reels available up to 5 000 ft.

+ Reels available up to 2 000 ft.

Colors (insert appropriate letter when ordering):

N Natural **B** Black **R** Red **BU** Blue **G** Green **Y** Yellow **OR** Orange **HLBL** High Light Blue

METRIC

	O.D.	I.D.	WALL	MIN. BEND	O.D.+++	I.D.	MIN.BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	MM.	MM.	NON.MM.	MM.	MM.	MM.	bar/psi @ 75 F	LENGTH	
PU 0425	4	2.5	0.75	12	+/- .2	+/- .2	28/400	25, 150, 300 meters*	
PU 0503	5	3	1	15	+/- .2	+/- .2	28/400	25, 150, 300 meters*	
PU 0604	6	4	1	18	+/- .2	+/- .2	28/400	25, 150, 300 meters	
PU 0806	8	6	1	24	+/- .3	+/- .3	23/330	25, 150, 300 meters	
PU 1007	10	7	1.5	40	+/- .3	+/- .3	23/330	25, 150, 300 meters	
PU 1208	12	8	2	48	+/- .3	+/- .3	23/330	25, 150, 300 meters	

* Reels available up to 1 500 meters

Conversions:

1" correspond to 25.41 MM (millimeters) 1 bar correspond to 14.5 psi

To convert Fahrenheit to Celsius subtract 32 from Fahrenheit, divide by 9 and multiply by 5

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

+++ Due the high polyurethane flexibility the tubing section may become oval close to the spool's core. The ovality tolerances are as follows:

Tubing OD from 4 mm (or 1/8 inches) to 6 mm (or 1/4 inches) the tubing can be ovalized up to 0.4 mm (0.016 inches)

Tubing OD that the bursting and working pressure data listed are determined at 75 degree F (24 Celsius)

Colors (insert appropriate letter when ordering):

N Natural **B** Black **BU** Blue Others on special order



700 Mile Crossing Blvd. Suite 4
 Rochester, NY 14624
 Tel. 716-247-0311 Fax. 800-736-8784

MAZZER NYLON 12 EXTRA FLEXIBLE-LONG LIFE TUBING

THE EXTRA FLEXIBLE NYLON TUBING THAT REMAINS EXTRA-FLEXIBLE

The market has a growing demand for a tubing that has the Nylon and chemical resistance combined with the flexibility of Polyurethane. At a price between the two, **Mazzer Extra Flexible Nylon** tubing is responding to this market demand. The EFPA is a Nylon tubing with the plasticizers bonded at molecular level to the Nylon's molecules. This advance formulation allows for a greater flexibility combined with a high working pressure, that is lower than the regular Nylon but higher than the PU. More important, the molecular bond prevents the plasticizer migration to the surface of the tubing that is a common characteristic of the standard plasticized Nylon tubing.

- Most flexible
- Kink resistant
- Long fatigue life
- Corrosion resistance and chemical compatibility
- Less expensive than the Polyurethane tubing
- Higher pressure resistance than the Polyurethane tubing

APPLICATIONS :

- Instrumentation
- Machine tools
- General manufacturing applications
- Fuel
- Machine tool
- Automotive
- Automation
- Vacuum

BROAD TEMPERATURE RANGE : -40 + 190 F
HARDNESS : 50 SHORE D (ASTM D 785)



MAZZER TUBING CHEMICAL COMPATIBILITY CHART

The information given in this chart should be used as a guide only. Our laboratory testing does not take into consideration possible variations of conditions during effective service.

Acetate Solvents	Excellent	Diesel Fuel	Excellent	Moisture	Limited
Acetic Acid (10%)	Limited	Ethanol	Limited	Naphtha	Excellent
Acetone	Excellent	Ether	Excellent	Natural Gas	Excellent
Acetylene	Excellent	Ethyl Alcohol	Excellent	Nickel Chloride	Excellent
Alum	Excellent	Ethyl Acetate	Limited	Nitric Acid	Unsuitable
Aluminum Chloride	Excellent	Ethyl Chloride	Excellent	Nitrogen	Excellent
Ammonia Gas	Excellent	Formaldehyde	Excellent	Oleic Acid	Excellent
Ammonia Liquid	Limited	Formic Acid	Limited	Oxygen	Excellent
Ammonium Chloride	Excellent	Freon 12-22-502	Excellent	Ozone (cold)	Excellent
Ammonium Nitrate	Excellent	Gas Oil	Excellent	Paints	Excellent
Amyl acetate	Limited	Gasoline	Excellent	Petroleum (Raw)	Excellent
Barium Chloride	Excellent	Glucose	Excellent	Phenol	Unsuitable
Benzene Chloride	Unsuitable	Glycerin	Excellent	Potassium Chloride	Excellent
Benzine (Benzol)	Limited	Glycol	Excellent	Potassium Cyanide	Excellent
Borax	Excellent	Hydraulic Oil	Excellent	Propane	Excellent
Boric Acid	Limited	Hydrogen	Excellent	Sodium Bisulphate	Excellent
Butane	Excellent	Hydrogen	Excellent	Sodium Chloride	Excellent
Butilic Alcohol	Excellent	Iron Cholrine	Excellent	Sodium Nitrate	Excellent
Butyl Acetate	Excellent	Kerosene	Excellent	Sulphides	Excellent
Calcium Hydroxide	Excellent	Lactid Acid	Excellent	Sulphuric Chloride	Unsuitable
Carbonic Acid	Excellent	LPG (Liquid Gas)	Excellent	Sulphuric Hydrogen	Excellent
Carbonic Dioxide	Excellent	Lubricating Oils	Excellent	Toluene (Toluol)	Excellent
Carbonic Oxide	Excellent	Magnesium Chloride	Excellent	Trichlorethylene	Limited
Chloro Gas	Unsuitable	Mercuric Cholride	Excellent	Xilene	Excellent
Chromic Acid	Unsuitable	Mercury	Excellent	Zinc Chloride	Excellent
Citric acid	Excellent	Methylic	Limited		
Cyanide	Excellent	Mineral Oil	Excellent		

NYLON 12 EXTRA FLEXIBLE straight tubing SIZE CHART

INCHES

	O.D.	I.D.	WALL	MIN. BEND	O.D.	I.D.	MIN. BURST ***	MAZZER	
REF.	NOM.	NOM.	THICKNESS	RADIUS ++	TOL.	TOL.	PRESSURE	COIL	
SIZE	IN.	IN.	NOM. IN.	IN.	IN.	IN.	PSI @ 75 F	LENGTH	
EFPA 2	1/8	.080	.023	.47	+.002-.0045	+/- .004	700	100, 500, 1 000 ft.*	
EFPA 2.5	5/32	.106	.025	.63	+.002-.0045	+/- .004	650	100, 500, 1 000 ft.*	
EFPA 3	3/16	.118	.035	.71	+.002-.0055	+/- .004	790	100, 500, 1 000 ft.*	
EFPA 4	1/4	.180	.035	.87	+.002-.0055	+/- .004	550	100, 500, 1 000 ft.+	
EFPA 5	5/16	.233	.040	1.42	+.002-.0055	+/- .004	500	100, 500, 1 000 ft.+	
EFPA 6	3/8	.275	.050	2.16	+.002-.0055	+/- .004	500	100, 500, 1 000 ft.	
EFPA 8	1/2	.375	.062	2.36	+.002-.0055	+/- .004	490	100, 500 ft.	
* Reels available up to 5 000 ft.			+ Reels up to 2 000 ft.		++ Specified min. bend radius is for minimal tube flattening.				
*** The safety factor adopted set the minimum bursting pressure at four (4) times the working pressure. Please, always remember									
that the bursting and working pressure data listed are determined at 75 degree F (24 Celsius)									
Colors (insert appropriate letter when ordering):			N Natural	B Black	BU Blue	Others on special order			



700 Mile Crossing Blvd. Suite 4
 Rochester, NY 14624
 Tel. 716-247-0311
 Fax 800-736-8784

MAZZER NYLON RECOIL TUBING

PNEUMATIC TOOL HOSE

Manufactured to Mazzer's exacting standards of quality nylon, this preformed tubing is used with pneumatic tools. It comes with a variety of fittings. This tubing has all the advantages of regular straight Nylon tubing with the added advantage of being self-storing and retractable. These characteristics make an excellent choice for tool drop lines, general shop use, and many applications in the machine tool, laboratory, electronic, and instrumentation industries. When manufactured with fittings that insert into the I.D., these coils are often referred to as "recoil hose".

- Nylon for toughness
- Self-storing
- Dimensional accuracy
- Chemical resistance



HARDNESS : 72 SHORE D (ASTM D 785)

I.D. RECOIL HOSE

SIZES' CHART

PART #	I.D.	O.D.	WALL	COIL	NUMBER	MIN.BURST ***	TUBING	USABLE
	NOM.	NOM.	THICKNESS	O.D.	OF	PRESSURE	LENGTH	EXTENDED
	IN.	IN.	NOM.IN.	NOM. IN.	COILS	PSI @ 75 F	(FT)	COIL LENGTH
N1120-2A	1/8	.171	.023	2.62	-	1300	100	75 % OF THE TUBING LENGTH IN COIL FOR MAXIMUM LIFE
N1120-2.5A	5/32	.206	.025	2.82	-	1115	100	
N1120-3A	3/16	.237	.025	3.15	146	1000	100	
N1120-4A	1/4	.320	.035	3.40	120	955	100	
N1120-5A	5/16	.393	.040	4.50	-	835	100	
N1120-6A	3/8	.475	.050	5.60	76	895	100	
N1120-8A	1/2	.625	.063	6.77	60	820	100	

Colors (insert appropriate letter when ordering):

B Black **R** Red **Y** Yellow **OR** Orange

O.D. RECOIL TUBING

SIZES' CHART

PART #	O.D.	I.D.	WALL	COIL	NUMBER	MIN.BURST ***	TUBING	USABLE
	NOM.	NOM.	THICKNESS	O.D.	OF	PRESSURE	LENGTH	EXTENDED
	IN.	IN.	NOM.IN.	NOM. IN.	COILS	PSI @ 75 F	(FT)	COIL LENGTH
N1122-2A	1/8	.080	.023	1.85	225	1300	100	75 % OF THE TUBING LENGTH IN COIL FOR MAXIMUM LIFE
N1122-2.5A	5/32	.106	.025	1.89	200	1115	100	
N1122-3A	3/16	.118	.035	2.50	150	1000	100	
N1122-4A	1/4	.180	.035	2.87	146	955	100	
N1122-5A	5/16	.233	.040	3.38	125	835	100	
N1122-6A	3/8	.275	.050	4.3	98	895	100	
N1122-8A	1/2	.375	.063	5.7	73	820	100	

*** The safety factor adopted set the minimum bursting pressure at four (4) times the working pressure.

* Packaged without fittings in 100 ft. Shrink wrap only

Colors (insert appropriate letter when ordering):

N Natural **R** Red **BU** blue

NYLON RECOIL HOSE ASSEMBLIES

SIZES' CHART

Assemblies come complete with high-quality reusable 2-piece Nickel plated swivel fittings with a spring guard. They have excellent chemical resistance and superior memory. **The working pressure is 200 PSI**

Note: Also available black plastic swivel fittings with spring guard.

PART NUMBER	I.D. NOM. IN.	HOSE LENGTH FT *	MALE SWIVEL NPT	COMPACT LENGTH INCHES	COIL O.D. NOM. IN.	N. OF COILS	COLORS			
							B black	Y yellow		
							OR orange	R red		
N1125-4-25	1/4	12	1/4	5.11	3.4	14	B	OR	Y	R
N1125-4-12	1/4	25	1/4	10.65	3.4	30	B	OR	Y	R
N1125-4-50	1/4	50	1/4	21.29	3.4	60	B	OR	Y	R
N1125-6-12	3/8	12	1/4	5.03	5.6	9	B	OR	Y	R
N1125-6-25	3/8	25	1/4	10.48	5.6	19	B	OR	Y	R
N1125-6-50	3/8	50	1/4	20.95	5.6	38	B	OR	Y	R
N1125A-6-12	3/8	12	3/8	5.03	5.6	9	B	OR	Y	R
N1125A-6-25	3/8	25	3/8	10.48	5.6	19	B	OR	Y	R
N1125A-6-50	3/8	50	3/8	20.95	5.6	38	B	OR	Y	R
N1125-8-12	1/2	12	1/2	4.98	6.77	6	B	OR	Y	R
N1125-8-25	1/2	25	1/2	10.38	6.77	13	B	OR	Y	R
N1125-8-50	1/2	50	1/2	20.76	6.77	27	B	OR	Y	R
* Working length can be up to 80 % of the hose length for vertical applications and 50 % for horizontal applications.										

MAZZER POLYURETHANE RECOIL HOSE ASSEMBLIES

ONE THIRD THE WEIGHT OF RUBBER, FIVE X'S THE LIFE OF RUBBER HOSE

Mazzer precision is applied to the newest recoil design of plastic tubing.

Polyurethane has a supple, almost gum rubber feel, yet is only 1/3 the weight and 5 times the life of rubber, making it the ideal recoil material. These assemblies have low resistance to extension forces so worker fatigue is substantially reduced.

Applications cover most pneumatic and other uses that have requirements from -40 F (-40 C) to 180 F (82 C) and nominal working pressure of 100 psi @ 75 F.

- Kink resistant
- Wear resistant
- Light weight & mobile
- Chemical compatibility
- Stretches full length
- Low worker fatigue
- Straight ends ***
- Less expensive than rubber

HARDNESS : 95 SHORE A (ASTM D 785)

The assemblies come with permanent crimped brass swivel fittings, but they are also available with reusable nickel plated swivel fittings with spring



SIZES' CHART

PART NUMBER	I.D. NOM. IN.	O.D NOM. IN.	USABLE EXTENDED COIL LENGTH	COMPACT LENGTH INCHES	MALE SWIVEL NPT	N. OF COILS	COIL		
							O.D.		
							NOM. IN.		
PU23-6-10	1/4	3/8	10 ft	7	1/4	17	2.3		
PU23-6-20	1/4	3/8	20 ft	13	1/4	34	2.3		
PU23-6-30	1/4	3/8	30 ft	20	1/4	51	2.3		
PU23-9-10	3/8	9/16	10 ft	7	1/4	10	3.9		
PU23-9-20	3/8	9/16	20 ft	13	1/4	20	3.9		
PU23-9-30	3/8	9/16	30 ft	20	1/4	30	3.9		
PU23A-9-10	3/8	9/16	10 ft	7	3/8	10	3.9		
PU23A-9-20	3/8	9/16	20 ft	13	3/8	20	3.9		
PU23A-9-30	3/8	9/16	30 ft	20	3/8	30	3.9		

*** Each recoil comes with 4.5 inches and 19 inches straight ends.



700 Mile Crossing Blvd. Suite 4
 Rochester, NY 14624
 Tel. 716-247-0311 F. 800-736-8784

MAZZER NYLO-THANE RECOIL HOSE

THE STRENGTH OF NYLON AND THE FLEXIBILITY OF POLYURETHANE

Mazzer, one of the most technically advanced extrusion companies in the world, has developed leading-edge technology to manufacture multi-layer tubing. This method of extrusion enables Mazzer to combine materials into products, taking advantage of the mechanical and chemical properties of each. **NYLO-THANE is a special co-extruded hose that features a unique multi-layer construction of a Polyurethane layer bonded to an inner layer of Nylon.**

The resulting product is designed to offer the benefits of both material in one hose

- Cost effective
- Excellent memory
- 200 psi working pressure
- Abrasion resistant
- Light weight
- Chemical resistance

TEMPERATURE RANGE: -40 F to 175 F



NYLO-THANE 100 FT BULK LENGTHS

SIZES' CHART

PART NUMBER	I.D. NOM.	O.D. NOM.	WALL THICKNESS	COIL O.D. NOM. IN.	NUMBER OF COILS	MIN.BURST *** PRESSURE PSI @ 75 F	TUBING LENGTH (FT)	USABLE EXTENDED COIL LENGTH
	IN.	IN.	NOM.IN.	NOM. IN.			(FT)	
UN20-4ABU	1/4	.330	.040	3.40	120	800	100	75 % OF THE TUBING LENGTH
UN20-6ABU	3/8	.455	.040	5.60	76	800	100	
Color: Light blue (other colors available on special order)								

NYLO-THANE HOSE ASSEMBLIES

SIZES' CHART

Assemblies come complete with high-quality reusable 2-piece Nickel plated swivel fittings with spring guard, that have an excellent chemical resistance and superior memory. **The working pressure is 200 PSI**

Note: Also available black plastic swivel fittings with spring guard.

PART NUMBER	I.D. NOM.	HOSE LENGTH FT *	MALE SWIVEL NPT	COMPACT LENGTH INCHES	COIL O.D. NOM. IN.	N. OF COILS				
	IN.									
UN25-4BU12	1/4	12	1/4	5.11	3.40	14				
UN25-4BU25	1/4	25	1/4	10.65	3.40	30				
UN25-4BU50	1/4	50	1/4	21.29	3.40	60				
UN25-6BU12	3/8	12	1/4	5.03	5.60	9				
UN25-6BU25	3/8	25	1/4	10.48	5.60	19				
UN25-6BU50	3/8	50	1/4	20.95	5.60	38				
UN25A-6BU12	3/8	12	3/8	5.03	6.77	9				
UN25A-6BU25	3/8	25	3/8	10.48	6.77	19				
UN25A-6BU50	3/8	50	3/8	20.95	6.77	38				

Color: Light blue (other colors available on special order)



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MAZZER THERMOPLASTIC TUBING CUTTER

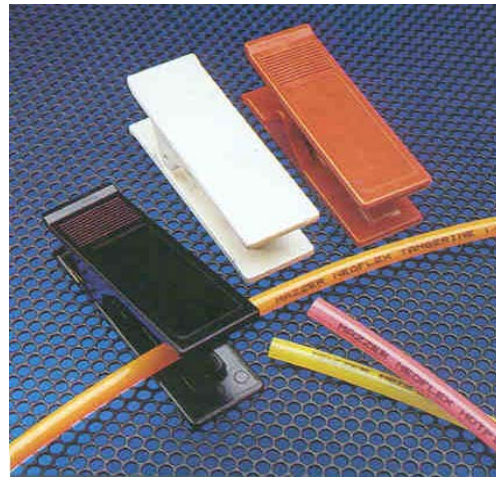
A SAFE, EFFICIENT, ACCURATE TOOL FOR CUTTING PLASTIC TUBING

This small, easy to use tool is spring loaded for one hand operation and cuts plastic or rubber tubing squarely and accurately. Its blade is removable for sharpening or replacement.

Colors: Orange, White, other colors available on special order.

Part #: 1000

Replacement Blades part number 1001. 10 pieces pack





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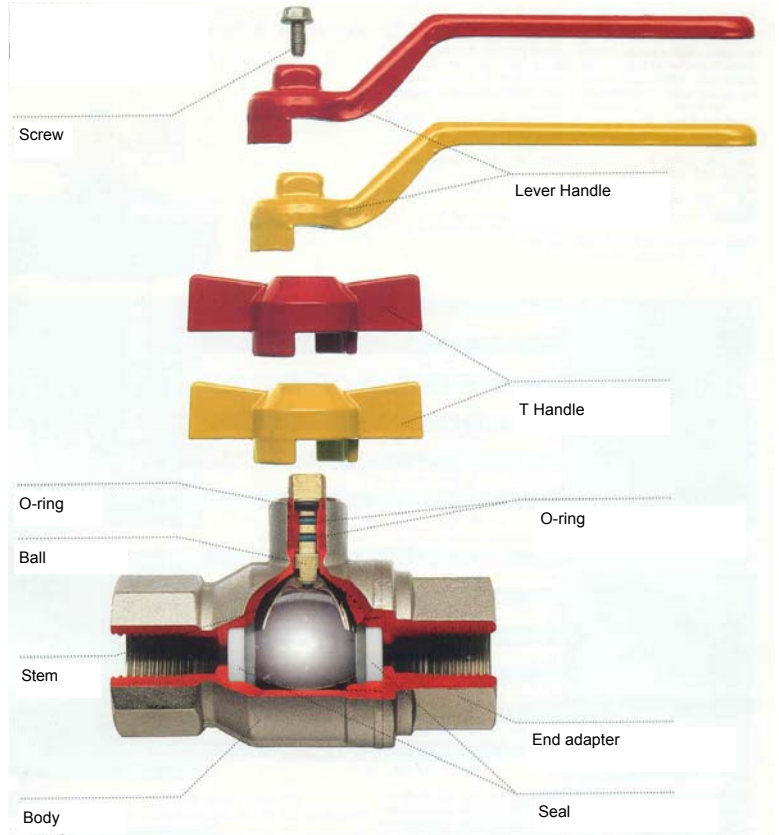
MAZZER BALL VALVES AND SLIDE VALVES

ECONOMICAL, FUNCTIONALLY EFFICIENT AND LONG LASTING VALVES

The flow through design results in less turbulence and pressure drop than conventional designs. The simplicity of "the ball" design with Teflon seals assures safety, long trouble-free service and ease of operation. Forged components assure leak-proof performance without the pin-holes possible with a casting. Quality materials are used throughout, such as: bodies of forged or extruded nickelplated brass with seals of Teflon or Viton.

Plating not only provides wear and chemical resistance, but virtually eliminates corrosion on the valve BODY.

This is particularly important in food processing applications and where the quality appearance of the installation should be maintained.



Suitable for:

WATER
OIL
GAS

FF SERIES -- FULL FLOW DESIGN BALL VALVES

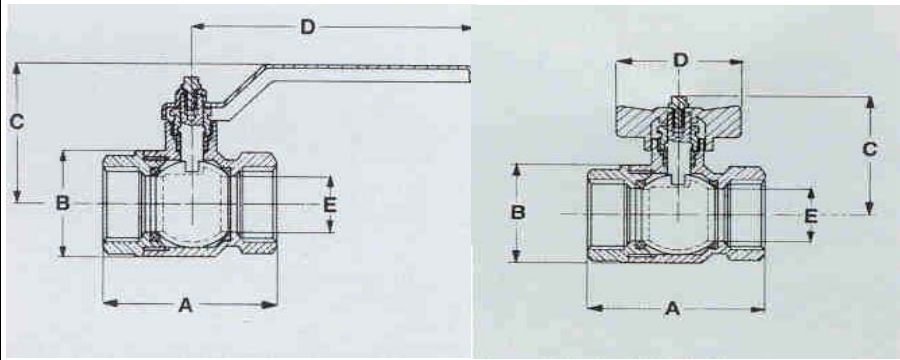
TYPE 116 - Lever Handle, Female/Female

TYPE 118 - "T" Handle, Female/Female

Applications include pneumatics, low pressure hydraulics, general industrial process, irrigation, construction, drilling, mining.

- Compressed air - Steam - Fuel oil
- Hot water - Gasoline - Lubricating oil
- Chemicals





Nominal Size NPTF	1/4	3/8	1/2	3/4	1	1 1/4	1 1/2	2	Specifications
Part No. Lever Handle	A-116-4	A-116-6	A-116-8	A-116-12	A-116-16	A-116-20	A-116-24	A-116-32	
Part No. "T" Handle	A-118-4	A-118-6	A-118-8	A-118-12	A-118-16	n/a	n/a	n/a	
Dimensions (inches)									
A (female/ female)	1.89	1.89	2.01	2.24	2.76	3.15	3.66	4.41	
B	0.98	0.98	1.22	1.46	1.81	2.24	2.76	3.31	
C lever	1.69	1.69	1.77	2.36	2.48	3.11	3.27	3.94	
C " T " Handle	1.57	1.57	1.69	2.01	2.16	-	-	-	
D Lever	3.15	3.15	3.15	4.49	4.49	5.43	5.43	6.22	
D " T " Handle	2.13	2.13	2.13	2.48	2.48	-	-	-	
E	0.39	0.39	0.59	0.79	0.98	1.26	1.57	1.97	
Working pressure (psi)	710	710	710	570	570	430	430	360	

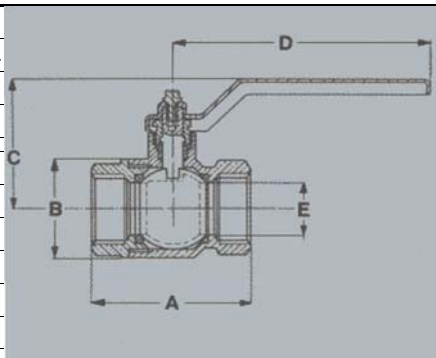
M/F threads, BSPT Thread are also available

TYPE 111 - Lever Handle, Female/Female



Applications include: pneumatics, low pressure hydraulics, general industrial process, irrigation, construction, drilling, mining, etc. Suitable for compressed air, hot water, steam, gasoline, fuel oil, lubricating oil, chemicals (see body, ball, seal materials).

Nominal Size NPTF	2 1/2	3	4	Specifications
Part No. A 111...	A-111-40	A-111-48	A-111-64	
Dimensions (inches)				
A	5.039	5.827	6.693	
B	3.82	4.8	5.63	
C	4.41	4.606	5.157	
D	7.677	9.72	9.72	
E	2.126	2.56	3.15	
Working pressure (psi)	260	230	200	



M/F thread, BSPT Thread are also available.

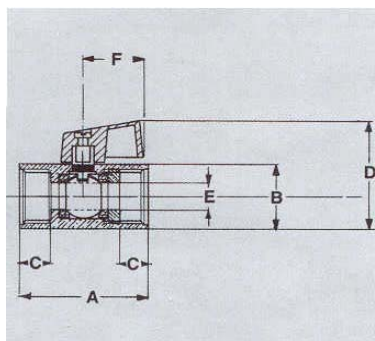
M SERIES -- MINIATURE DESIGN BALL VALVE

Applications include: pneumatics, low pressure hydraulics, heating, general industrial process.
Suitable for compressed air, hot water, steam, gasoline, fuel oil, lubricating oil, chemicals (see body, ball, seal materials).

TYPE 125 - Wedge Lever Handle, Female/Female



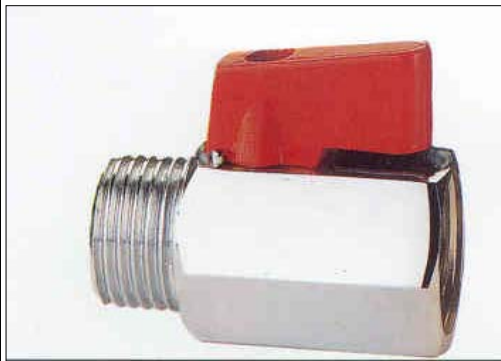
Nominal Size	1/8	1/4	3/8	1/2
Part No. A 125...	A-125-2	A-125-4	A-125-6	A-125-8
Dimensions (inches)				
A	1.574	1.574	1.574	1.811
B	0.827	0.827	0.823	0.984
C	0.354	0.354	0.394	0.472
D	1.496	1.496	1.496	1.653
E	0.315	0.315	0.315	0.394
F	0.867	0.867	0.867	0.867
Working pressure (psi)	220	220	220	220



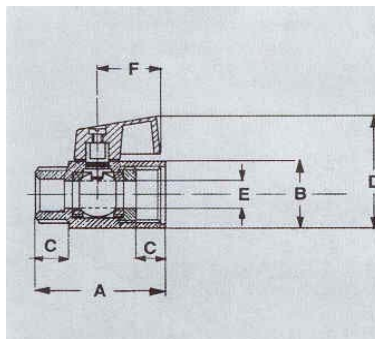
Specifications

Temp Range - Air: +14 F to 230 F
Water: +14 F to 194 F
Tested to 100,000 operating cycles
Body: Chr. plt. Brass OT 58 CW614N
Matte finished.
Ball: Hard Chr.plt. Brass CW614N
Thread: ISO228, DIN259, BS2779
Stem: Hot prsd brass OT 58 CW614N
Stem seal: Teflon
Ball seal: Teflon Rings NBR 70SH/A
Handle: Nylon 6

TYPE 126 - Wedge Lever Handle, Male/Female

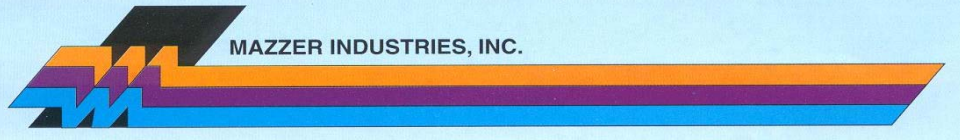


Nominal Size	1/8	1/4	3/8	1/2
Part No. A 126...	A-126-2	A-126-4	A-126-6	A-126-8
Dimensions (inches)				
A	1.535	1.535	1.575	1.771
B	0.827	0.827	0.823	0.984
C	0.354	0.354	0.394	0.472
D	1.496	1.496	1.496	1.653
E	0.315	0.315	0.315	0.394
F	0.867	0.867	0.867	0.867
Working pressure (psi)	220	220	220	220



Specifications

Temp Range - Air: +14 F to 230 F
Water: +14 F to 194 F
Tested to 100,000 operating cycles
Thread: ISO228, DIN259, BS2779
Body: Chr. plt. Brass OT 58 CW614N
Matte finished.
Ball: Hard Chr.plt. Brass CW614N
Stem: Hot prsd brass OT 58 CW614N
Stem seal: Teflon
Ball seal: Teflon Rings NBR 70SH/A
Handle: Nylon 6



700 Mile Crossing Blvd. Suite 4
 Rochester, NY 14624
 Tel. 716-247-0311
 Fax 800-736-8784

MAZZER'S textile sleeve "TEXSLEEVE™" - PRODUCT DESCRIPTION & PERFORMANCES

**Textile sleeve for the protection of people and machinery;
 for protecting and bundling hose, cables, wires, etc.**

- Targets:**
- 1- Protect hose from abrasion
 - 2- Protect machinery and people from the effects of hose bursting and pinhole occurrences.

- Production process:**
- 1- The nylon yarn is dense, with almost no air left among the strands
 - 2- The patented weaving system generates a very tight knit
 - 3- The final treatment causes a 5% shrinkage of the fabric

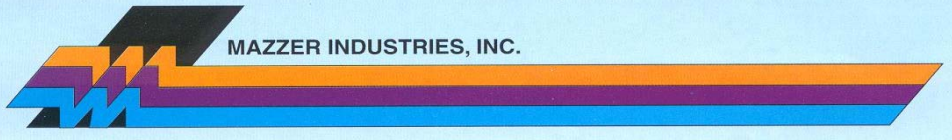
- Results:**
- 1- Textsleeve is very dense, yet not bulky
 - 2- It is highly abrasion resistant
 - 3- It has a high degree of burst resistance
 - 4- It is very effective in reducing the concentrated stream of pinhole leaks.
 - 5- It offers a good leakage containment
 - 6- It has a very smooth and sleek surface that makes it easy to slide it on even very long hoses



"TEXSLEEVE" -- TECHNICAL DATA SHEET
 (Please, call our customer service (716-247-0311 dial 1)
 to receive a complete set of Laboratory Tests results)

PROPERTIES	SPEC.	DESCRIPTION
Abrasion	ISO 6945	Holds up to 50,000 cycles
Leakage	SAE J 343	Allows the pressure to build up to 100 psi
Conductivity	ISO 8031	Resistance between 3 and 5 x 10 E6 ohm/meter
Fire	Textsleeve is approved by MSHA for the use in the underground mines, # IC-207/01	
Burst	Textsleeve was only partially damaged after a 30,000 psi hose's burst	
Pinhole (pre-drilled 0.25" hole)	Textsleeve contained completely the sharp stream of oil passing through the hole, when the pressure was suddenly raised to 3,000 psi	
Color:	Black (other color on special order)	
Melting Point:	374 - 410 F	
Working temperature (recommended)	-40 to 340 F (the sleeve loses 10 % of resistance at 340 Fahrenheit)	
Material	Polyamide 6	
Dimensional Stability :	Great resistance to sun, atmospheric agents and ageing	
Toxicity	Non toxic	

Chemical compatibility			
Gasoline	Very good	Benzene	Very good
Oil	Very good	Acetone	Very good
Mineral and vegetal oil	Very good	Ether	Very good
Ionic metallic solution	Very good	Carbon tetrachloride	Very good
Alcohols	Very good	Chlorine based solvent	Very good
Diluted bases	Very good	Mould, bacterium, moths	Very good
Diluted acids	Good		
Strong and concentrated acids as, i.e., Hcl or Formic Acid may have some corrosive action			



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MAZZER Texsleeve sizes chart

The superior textile sleeve for hose protection



HOSE PROTECTION
AND
PEOPLE PROTECTION

MSHA IC-207/01

Part number	Internal Round Diameter Inches	External Flattened Width Inches
-------------	--------------------------------	---------------------------------

Sizes usually in stock

TEXS17	0.67	1.18
TEXS20	0.79	1.34
TEXS23	0.91	1.54
TEXS25	0.98	1.65
TEXS27	1.06	1.77
TEXS31	1.22	2.05
TEXS36	1.42	2.24
TEXS40	1.57	2.60
TEXS44	1.73	2.83
TEXS47	1.85	3.03
TEXS55	2.17	3.50
TEXS60	2.36	3.82
TEXS73	2.87	4.65

Sizes available upon demand, minimum quantity 9,000 feet

TEXS33	1.30	2.17
TEXS39	1.54	2.52
TEXS43	1.69	2.80
TEXS53	2.09	3.39
TEXS65	2.56	4.13
TEXS66	2.60	4.21
TEXS75	2.95	4.76
TEXS85	3.35	5.35
TEXS93	3.66	5.87
TEXS100	3.94	6.30
TEXS112	4.41	7.05
TEXS123	4.94	7.75

Put Up: 100 and 300 ft rolls.

100' roll may contain a maximum of 2 pieces

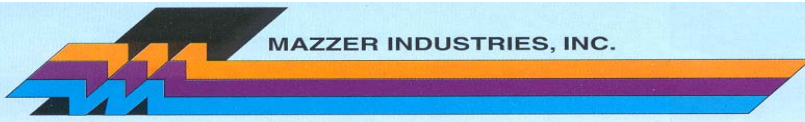
300' roll may contain a maximum of three pieces

We can customize Texsleeve with your logo.

Min. quantity for private label: 900 ft each size

Colors different than black require a minimum quantity of 9,000 feet





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MAZZER'S plastic spiral "KOVERTEC™" PSA - PRODUCT DESCRIPTION & PERFORMANCES

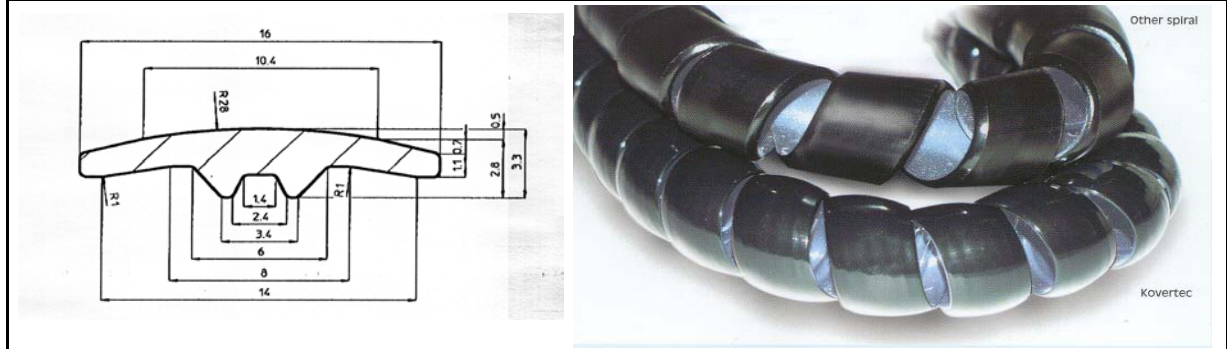
Thermoplastics spiral for the protection and bundling of hoses, cables, wires, etc.

Characteristics:

Thermoplastic extruded spiral with rounded external surface, smoothed edges and ribbed internal profile

Performances: Thanks to the above described characteristics, Mazzer Kovertec PSA:

- 1- Is light, yet crush resistant
- 2- Stays in place on the hose without sliding
- 3- Easily overlaps offering greater protection



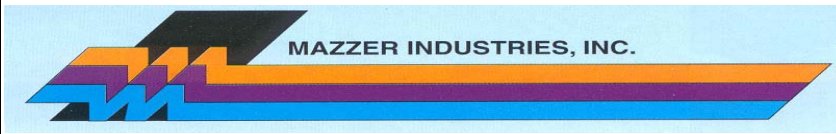
TECHNICAL DATA SHEET

PROPERTIES	SPEC	UNIT	VALUE
Specific weight	ASTM D792	gr./cubic-cm	1.27 - 1.29
Water absorption	ASTM D570	%	2.2
Rockwell hardness	ASTM D785	R-Range	75 - 120
Tensile strength	ASTM D638	N/ square-mm	20 - 37
Breaking Elongation	ASTM D638	%	10 - 30
Resist. to impact IZOD with indent	ASTM D256	Kg cm/cm	> 10
VICAT	ASTM D1526	Fahrenheit	149 - 212
Volume resistivity	ASTM D257	OHM/cm	10 exp10 -10exp13
Material	Cellulose acetate		
Temperature range:	-30 to +185 Fahrenheit		
Toxicity	Non Toxic		
Dimensional Stability :	Great resistance to sun and atmospheric agents		
Combustibility:	The product is not self-extinguishing. Speed of combustion at British Standard 1524-55 is 1 1/4" per minute		

Chemical compatibility

Water	Very Good. It becomes more flexible after a prolonged exposition to moisture/water
Gasoline	Very good
Oil	Very good
mineral and vegetal oil	Very good
Ionic metallic solution	Very good
Superior alcohols	Very good
Acetone	poor
Methyl acetate	poor
Ethyl acetate	poor
Chlorine based solvent	poor
Strong acids as, i.e., Hcl and strong bases as, I.e., NaOH, may have some corrosive action	
Inferior alcohols as, for example, ethylic and butylic alcohol may, after a prolonged immersion, expand the product but they do not act as a solvent	





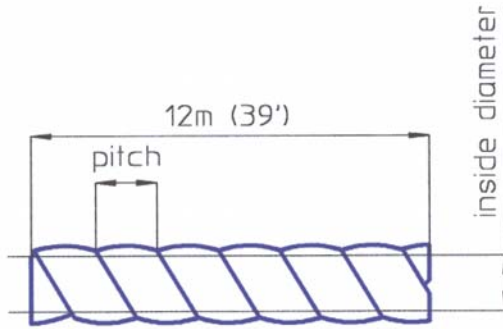
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MAZZER'S plastic spiral "KOVERTEC™" PSA
Plastic spiral abrasion resistant --- Sizes chart



PART #	ID	ID	pitch	q. x box
	Inches cent.	Inches fact.		
* * * Sold in length by 39' feet * * *				
PSA06MPO6	0.25	1/4	0.25	780'
PSA06MPO9	0.37	3/8	0.25	780'
PSA13MP12	0.50	1/2	0.51	780'
PSA13MP16	0.62	5/8	0.51	780'
PSA16MP19	0.75	3/4	0.62	780'
PSA16MP25	1.00	1	0.62	780'
PSA25MP28	1.10		0.98	390'
PSA25MP35	1.38	1 3/8	0.98	390'
PSA35MP47	1.75	1 3/4	1.40	390'
PSA35MP65	2.56		1.40	117'
PSA35MP80	3.15		1.40	78'
*** NEW *** NEW *** NEW *** NEW *** NEW ***				
PSA50MP100 *	3.95		2.00	78'

* If not in stock, mimum quantity 780' and delivery in 45 days from order

