

PEXCO

Nylon

Polyethylene

Polyurethane

Recoil Hose

Fittings

Assemblies

Precision Extruded Plastic Tubing, Fittings, and Assemblies



Pexco.com

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Pexco has been serving the plastic industry since 1970. We specialize in the production of tubing, pipe, profiles, cords, and rods that range in size from 1/32" ID to 4-1/2" OD. Our tubing products are available in a wide variety of both fluoropolymers, fluoroelastomers, elastomers, and thermoplastics. We stock an extensive inventory of standard sizes and colors that are ready for immediate shipment, and we are committed to always providing you with the highest quality products and services.

ORDER BY PART NUMBER

PE 440

-Blue

-500

Coil/Reel Length [ft]
Color
Pexco Part No.

SPECIAL ORDERS:

Please contact our Customer Service Department with any custom requests. We work with many resins and constructions not listed within our catalog of standard items.

Working Pressure and Temperature

Working pressure, temperature and other external conditions are important to consider when selecting a product for your application. The suggested working pressure is derived from testing its burst pressure at room temperature and then adding a "Safety Factor". The suggested working pressure is the maximum safe operating pressure a tubing can withstand, especially when considering factors such as bending, flexing, tolerances, and other influences. It should be noted that the higher the temperature, the lower the burst and working pressure values will be. Any reference to burst or working pressure listed within this catalog is to be used as a general reference only. For precise ratings please conduct testing under your specific application conditions.

PEXCO — Stock Products

Standard Colors	Nat	Black	Grey	Tan	White	Coffee	Red	Blue	Green	Yellow	Orange	Beige
HP Nylon Series	X	X			X							
NY Series	X	X	X	X	X	X	X	X	X	X	X	X
PE Series	X	X			X		X	X	X	X	X	X
PU Series	X						X	X	X	X		

Standard Sizes

Size	1/8" (.125")	5/32" (.156")	4mm (.157")	6mm (.236")	3/16" (.188")	1/4" (.250")	5/16" (.313")	8mm (.315")	3/8" (.394")	10mm (.394")	12mm (.472")	1/2" (.500")	14mm (.551")
HP Series						X			X				X
NY Series	X	X	X	X	X	X	X	X	X	X	X	X	X
PE Series	X	X	X	X		X	X	X	X	X	X	X	X
PU Series				X		X		X	X				X

Note: Non-standard sizes, colors, and custom printing options are available upon request. Minimum order quantities may apply.

Pexco Flexible Nylon 12 offers a durable and economical choice for applications requiring flexible tubing. Pexco NY Series Nylon 12 tubing is ideal for low pressure pneumatic applications (see our product line: HP Nylon Series for higher pressure applications). Nylon 12 is lightweight, while providing excellent abrasion resistance and durability. Nylon 12 can be used in operating temperatures ranging from -32 F to 212 F.

Features:

- Broad temperature range (-32 F to 212 F)
- Lightweight
- Low water absorption
- Good chemical resistance
- Superior dimensional stability
- Excellent abrasion resistance and durability

Applications:

- Pneumatic systems
- Pneumatic circuits
- Vacuum lines
- Air-logic
- Hydraulic (low pressure)
- Lubricants
- General chemicals (non-aggressive)
- Paint Spray
- Injection lube systems

NYLON 12 TUBING — Fractional Sizes

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius (Inches)	Working Pressure @75°F
NY223	0.079	0.125	0.004	0.023	0.750	420
NY157	0.107	0.156	0.004	0.025	1.000	350
NY325	0.138	0.188	0.004	0.025	1.250	260
NY435	0.180	0.250	0.004	0.035	1.500	290
NY440	0.170	0.250	0.004	0.040	1.250	330
NY462	0.125	0.250	0.004	0.062	1.000	590
NY540	0.232	0.313	0.005	0.040	2.000	250
NY650	0.275	0.375	0.005	0.050	2.250	250
NY662	0.250	0.375	0.005	0.062	2.750	290
NY862	0.375	0.500	0.005	0.062	3.000	240
NY1062	0.500	0.625	0.005	0.062	5.000	170
NY1262	0.625	0.750	0.005	0.062	6.000	120
NY1662	0.875	1.000	0.005	0.062	8.000	85

NYLON 12 TUBING — Metric Sizes

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius (Inches)	Working Pressure @75°F
NY4MM	0.106	0.157	0.004	0.026	1.000	350
NY6MM	0.157	0.236	0.004	0.040	1.500	340
NY8MM	0.236	0.315	0.005	0.040	2.000	250
NY10MM	0.315	0.394	0.005	0.040	3.000	190
NY12MM	0.394	0.472	0.005	0.040	3.500	150
NY14MM	0.472	0.551	0.005	0.040	4.500	100

Stock Colors: Please refer to the chart on page 2.

Note: All dimensions shown are inches. For additional colors, sizes, printing, precision cut to length pieces please contact our Customer Service Team.

Any reference to burst or working pressure listed within this catalog is based on temperature of 75 F and is to be used as a general reference only. For precise ratings please conduct testing under your specific application conditions.

PEXCO HP Nylon tubing, made from a special blend, is the tubing of choice for a wide range of applications due to its superior abrasion resistance, extreme tensile strength and high allowable working pressures. Manufactured in our Asheboro, NC facility, under stringent process controls, our HP Nylon tubing provides the quality and performance for even the most demanding applications. Available from stock in Natural, Black or White. Custom colors and printing are available upon request.

Features:

- Broad temperature (range -32 F to 212 F)
- Lightweight
- Low water absorption
- Good chemical resistance
- Superior dimensional stability
- Excellent abrasion resistance & durability
- UV Resistant – Suitable for outdoor use

HIGH PRESSURE NYLON TUBING

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius	Burst Pressure @75°F
HP 125030	0.065	0.125	0.004	0.030	0.500	2800
HP 187040	0.107	0.187	0.004	0.040	1.375	2800
HP 250050	0.150	0.250	0.004	0.050	1.500	2200
HP 250062	0.125	0.250	0.004	0.062	1.500	2800
HP 375075	0.225	0.375	0.005	0.075	2.250	2800
HP 500090	0.320	0.500	0.005	0.090	3.000	2000

Stock Colors: Please refer to the chart on page 2.

Any reference to burst or working pressure listed within this catalog is based on temperature of 75 F and is to be used as a general reference only. For precise ratings please conduct testing under your specific application conditions.

Applications:

- High pressure misting
- High pressure fogging systems
- General chemical applications
- Pneumatic systems

Pexco Nylon 11 Tubing is ideal for demanding applications such as Weed Spray and Paint Spray. Nylon 11 has good resistance to all types of paints, solvents, oils and weed spray chemicals. This tubing has greater mechanical strength than other nylon grades and can be produced in sizes to meet individual requirements. **Please note that Weed Spray and Paint Spray Tubing items are listed by ID dimensions.** Please contact our customer service team with any custom requirements.

Features:

- Excellent UV stability for extending tubing life
- Abrasion resistant
- Kink resistant allowing for less down time

Applications:

- Weed spray
- Paint spray
- Solvents
- Oils

WEED SPRAY TUBING

Part No.	Size	ID	ID Tol +/-	OD	Wall	Wall Tol +/-	Bend Radius	Working Pressure @ 75°F
WS 875	1/2	.500	.007	.650	.075	.005	5	200

PAINT SPRAY TUBING

Part No.	Size	ID	ID Tol +/-	OD	Wall	Wall Tol +/-	Bend Radius	Working Pressure @ 75°F
PS 450	1/4	.250	.005	.350	.050	.003	2-1/4	300
PS 662	3/8	.375	.005	.500	.062	.003	3	290
PS 862	1/2	.500	.007	.625	.062	.003	5	220

Stock Colors: Natural, black. Additional colors are available upon request. Minimum order quantities may apply.

Any reference to burst or working pressure listed within this catalog is to be used as a general reference only. For precise ratings please conduct testing under your specific application conditions.

Pexco Flexible Nylon 12 Recoil offers a durable and economical choice for applications requiring constant flexing.

Nylon can withstand higher pressures than many other plastics. Pexco Nylon 12 tubing is lightweight, while providing excellent abrasion resistance and durability. Nylon 12 can be used in operating temperatures ranging from -32 F to 212 F.

Please note that Recoil Hose is listed by ID dimension (other catalog items are listed by OD). Please see our Recoil Hose Fittings for use with our Nylon Recoil Hose.

Features:

- Broad temperature range

- Lightweight

- Low water absorption

- Good chemical resistance

- Superior dimensional stability

- Excellent abrasion resistance & durability

- UV Resistant — suitable for outdoor use

- Retractable

- Kink resistant

NYLON 12 — BULK HOSE FOR RECOIL (UN-FORMED)

Part No.	ID	OD	W
RC 52000	1/8	3/16	0.030
RC 53000	3/16	1/4	0.030
RC 54000	1/4	5/16	0.030
RC 55000	5/16	3/8	0.030
RC 56000	3/8	0.456	0.045
RC 57000	1/2	5/8	0.062
RC 58000	3/4	7/8	0.062

Stock Colors: Blue, Yellow

FORMED RECOIL BULK HOSE — NYLON 12

Part No.	ID	OD	W	Hose Length Ft	Retracted Length Ft	Max Working Ft	Coil OD
RC 52150	1/8	3/16	0.030	100	26	40	1-3/4
RC 52100	1/8	3/16	0.030	100	26	40	1-3/4
RC 53100	3/16	1/4	0.030	100	48	80	2-1/2
RC 54100	1/4	5/16	0.030	100	46	80	3
RC 5410W	1/4	5/16	0.030	100	40	80	4
RC 55100	5/16	3/8	0.030	100	40	80	4-1/2
RC 56100	3/8	0.456	0.045	100	40	75	5-1/2
RC 57100	1/2	0.625	0.062	100	36	75	8
RC 58100	3/4	0.875	0.062	100	36	65	13

Stock Colors: Blue; yellow

Pexco recoil bulk hose, in combination with the fittings listed below, can be used to create recoil hose of any required custom length. Nylon Recoil Hose Assemblies are considered custom and non-returnable. For use with Recoil Fittings listed below.

RECOIL HOSE FITTINGS

Brass Fittings for use with nylon recoil hose above — comes as a set: fitting, nut, and tubing guard (spring)

Part No.	For Recoil Hose Size	Fitting Pipe Thread	Swivel Fitting	Spring Guard	Units Per Bag
FT 00125	1/8	1/8 MPT	YES	YES	10
FT 00187	3/16	1/4 MPT	YES	YES	10
FT 00125	1/4	1/4 MPT	YES	YES	10
FT 00312	5/16	1/4 MPT	YES	YES	10
FT 00375	3/8	3/8 MPT	YES	YES	10
FT 02375	3/8	1/4 MPT	YES	YES	10
FT 00500	1/2	1/2 MPT	YES	YES	10
FT 00750	3/4	3/4 MPT	YES	YES	10

Sold in quantities of 10 sets per size.

Pexco Flexible Nylon 12 Recoil offers a durable and economical choice for applications requiring constant flexing. Nylon can withstand higher pressures than many other plastics. Pexco Nylon 12 tubing is lightweight, while providing excellent abrasion resistance and durability. Nylon 12 can be used in operating temperatures ranging from -32 F to 212 F. **Please note that Recoil Hose is listed by ID dimension** (other catalog items are listed by OD). Please see our Recoil Hose Fittings for use with our Nylon Recoil Hose. Nylon 12 Recoil Assemblies come complete with Tubing, fitting, nut & tubing guard (spring).

Features:

- Lightweight
- 360 Swivel fittings on each end
- Good chemical resistance
- Broad temperature range
- Low water absorption
- Superior dimensional stability
- Excellent abrasion resistance & durability
- UV Resistant — suitable for outdoor use
- Retractable
- Kink resistant

NYLON RECOIL ASSEMBLIES

Provided as a complete set: Recoil, tubing, fitting, nut & tubing guard (spring).

Part No.	Hose ID	Hose Length Ft	MPT	Retracted Length Ft	Max Working Length Ft	Coil OD
RC 52120	1/8	12	1/8	7	9	1-3/4
RC 52250	1/8	25	1/8	52	20	1-3/4
RC 52500	1/8	50	1/8	26	40	1-3/4
RC 53120	3/16	12	1/4	6	9	2-1/2
RC 53250	3/16	25	1/4	12	20	2-1/2
RC 53500	3/16	50	1/4	22	40	2-1/2
RC 54120	1/4	12	1/4	6	9	3
RC 54250	1/4	25	1/4	12	20	3
RC 54500	1/4	50	1/4	23	40	3
RC 5412W	1/4	12	1/4	5	9	4
RC 5425W	1/4	25	1/4	10	20	4
RC 5450W	1/4	50	1/4	20	40	4
RC 55120	5/16	12	1/4	5	9	4-1/2
RC 55250	5/16	25	1/4	10	20	4-1/2
RC 55500	5/16	50	1/4	20	40	4-1/2
RC 56120	3/8	12	3/8	5	9	5-1/2
RC 56250	3/8	25	3/8	10	20	5-1/2
RC 56500	3/8	50	3/8	20	40	5-1/2
RC 56121	3/8	12	1/4	5	9	5-1/2
RC 56251	3/8	25	1/4	10	20	5-1/2
RC 56501	3/8	50	1/4	20	40	5-1/2
RC 57120	1/2	12	1/2	5	8	8
RC 57250	1/2	25	1/2	9	19	8
RC 57500	1/2	50	1/2	18	38	8
RC 58250	3/4	25	3/4	9	16	13
RC 58500	3/4	50	3/4	18	32	13

Sold in quantities of 10 sets per size.

Nylon Recoil Hose Assemblies are considered custom and non-returnable.

Pexco LLDPE has superior stress crack resistance, vs. LDPE commonly provided. LLDPE provides a smooth surface finish and is suitable in applications ranging from -50 F to 140 F. LLDPE conforms to FDA standard for applications involving food contact. PEXCO LLDPE provides an economical choice for many common industrial applications.

Features:

- Superior environmental stress crack resistance
- Flexible
- Lightweight
- Durable
- Does not impart taste or odor
- Good dielectric properties
- Higher working pressure vs LDPE

LLDPE POLYETHYLENE TUBING — Fractional

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius	Working Pressure @75°F
PE230	0.065	0.125	0.004	0.030	0.750	360
PE440	0.170	0.250	0.004	0.040	1.250	205
PE462	0.125	0.250	0.004	0.062	1.000	358
PE562	0.187	0.313	0.005	0.062	1.250	268
PE662	0.250	0.375	0.005	0.062	1.500	214
PE862	0.375	0.500	0.005	0.062	2.250	153
PE1062	0.500	0.625	0.005	0.062	3.000	120
PE1262	0.625	0.750	0.005	0.062	5.000	80
PE1662	0.875	1.000	0.005	0.062	~6.500	

Applications:

- Chemical lines
- Pneumatic systems
- Agriculture
- General low pressure and temperature applications
- Robotics
- Oxygen lines
- Small motor fuel lines
- Agriculture
- Pneumatic tools
- Hydraulic control systems
- Automated equipment
- Metering pumps
- Grease lines

LLDPE POLYETHYLENE TUBING — Metric

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius	Working Pressure @75°F
PE4MM	0.107	0.157	0.004	0.025	0.750	295
PE6MM	0.157	0.236	0.004	0.040	1.000	215
PE8MM	0.236	0.315	0.005	0.040	1.250	198
PE10MM	0.315	0.394	0.005	0.040	2.500	114
PE12MM	0.394	0.472	0.005	0.040	3.000	82
PE14MM	0.472	0.551	0.005	0.040	5.000	60

Please see color chart for stock colors. Additional colors, custom sizes, and custom printing are available. Minimum order requirements will apply. Please contact our customer service team for details.

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Pexco Polyurethane tubing has the advantages of plastic tubing with the flexibility of rubber. It is the ideal choice for applications requiring constant flexing, in tight quarters or in any application where kinking can pose a problem. Polyurethane is hydrolytic, requires no plasticizers and has superior resistance to grease, fuels, and oils making it suitable for a wide range of applications. Polyurethane can be used with push-to-connect or hose barb fittings.

Features:

- Ether based
- 95 Durometer
- Lightweight
- Good abrasion resistance
- Kink resistant

Applications:

- Pneumatic lines
- Computer devices
- Vacuum lines
- Fuel lines
- Laboratory
- Instrumentation
- Industrial equipment
- Air-logic
- Construction

POLYURETHANE TUBING

Part No.	ID	OD	OD Tol [+/-]	Wall	Bend Radius	Working Pressure @75°F
PU230	0.062	0.125	0.004	0.030	0.375	135
PU157	0.094	0.157	0.004	0.030	0.470	94
PU332	0.125	0.187	0.004	0.030	0.550	72
PU440	0.170	0.250	0.004	0.040	0.750	70
PU445	0.160	0.250	0.004	0.045	0.700	77
PU462	0.125	0.250	0.004	0.062	0.750	102
PU562	0.187	0.313	0.005	0.062	0.950	74
PU662	0.250	0.375	0.005	0.062	1.500	68
PU762	0.313	0.438	0.005	0.062	2.000	62
PU862	0.375	0.500	0.005	0.062	2.250	58
PU890	0.320	0.500	0.005	0.090	2.000	62

Stock colors: Please refer to the chart on page 2.

Additional colors are available upon request. Minimum order quantities will apply.

PU RECOIL is available – please contact customer service with your requirements.

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Consultation, design and fabrication of specialty plastic products

Where Ideas Take Shape.

From inspiration to application, Pexco has been helping our customers bring ideas to life for nearly half a century as a plastic extrusion manufacturer. Based in Atlanta, with multiple plants in the U.S. and Mexico, Pexco has grown and evolved to become North America's leader in the design and fabrication of specialty plastic products.

Markets

- Custom & Specialty Extrusion Solutions
- Custom Extrusion Lighting Components
- Traffic Control Safety Products
- Fencing – Chain Link Fence Slats
- VinylGuard Heat Shrink Coverings
- Critical Fluid Handling
- Insulation / Spiral Wraps
- Rubber / Elastomers

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