

NYLO-SEAL TUBING - POLY-FLO TUBING



NYLO-SEAL NYLON TUBING

Nylo-Seal type "NSF" semi-rigid natural color tubing is made of Nylon-II and is far superior to other types of Nylon tubing. It does not depend on moisture for flexibility and does not become brittle. It has excellent resistance to flexural fatigue and can be used where there is vibration or tube movement. Self-extinguishing under A.S.T.M. Test D635-44. Excellent for instrument lines. NSR nyloseal tubing is black in color and is rated to 2500 lbs. It can be used for higher pressure applications than the NSF tubing.

NSF TUBING

Part No.	O.D. (In.)	Wall (In.)	Burst Pressure (PSI)	Min. Bend Radius	Wt. (Lb/Ft)	Price per Ft.
05-01009	1/8	.026	1500	3/8"	.004	.
05-01010	3/16	.039	1500	5/8"	.008	.
05-01011	1/4	.050	1500	7/8"	.015	.
05-01012	3/8	.075	1500	1-1/2"	.032	.

NSR TUBING

Part No.	O.D. (In.)	Wall (In.)	Burst Pressure (PSI)	Min. Bend Radius	Wt. (Lb/Ft)	Price per Ft.
05-01228	1/8	.026	2500	3/8"	.004	.
05-01229	1/4	.050	2500	7/8"	.015	.
05-01231	3/8	.075	2500	1-1/2"	.032	.



NYLAFLOW NYLON TUBING

Nylon Polyenco® pressure tubing is a super-tough, low friction, high flexibility tubing that can be used for cable protectors or in short pieces, as small bushings and washers. Suitable for use in oil, air, vacuum, fuel and low pressure hydraulic lines. It Resists abrasion - wears better than aluminum or steel tubing. Has an extremely smooth inner surface with a very low coefficient of friction. Used for brake lines, and also as a conduit for the rudder cables in the Rutan VariEze and Long-EZ. Rated 1000 psi. Use Poly-Flo fittings.

Type	OD	ID	PSI	Part No.	Price
Thicker wall	1/8	.096	1000	05-00105	.
Thicker wall	3/16	.138	1000	05-00110	.
Thicker wall	1/4	.190	1000	05-00115	.
High Bursting Pressure	1/4	.150	2500	05-04349	.
High Bursting Pressure	3/16	.111 (approx.)	2500	05-04355	.



NEOPRENE HOSE

Neoprene tubing is used in instrument hookups and for battery drains. Use AN hose fittings such as AN840 with Breeze Mini Clamps, nylon or polyethylene hose fittings such as 0710-153. Not for use as fuel or oil lines.

I.D.	Wall	Part No.	Price/Ft
3/16"	1/16"	05-00200	.
1/4"	1/16"	05-00300	.
3/8"	1/16"	05-00400	.



TYGON TUBING

Tygon tubing is flexible, tough, abrasion-resistant and non-aging. Ideal for hookup of airspeed pitot and static lines (not recommended for pressurized applications). Use AN hose fittings such as AN840 with Breeze Mini Clamps, nylon or polyethylene hose fittings such as 0710-153.

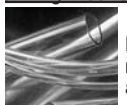
3/8" O.D. X 1/4" I.D. P/N 05-00944 Ft
1/2" O.D. X 3/8" I.D. P/N 05-00945 Ft

BING ALCOHOL RESISTANT FUEL LINE



This fuel line is blue in color and does not rot or deteriorate from the inside, clogging the carburetor or fuel system. It withstands 50 PSI and tensile strength is 8000 PSI. It is resistant to temperatures of -65° to 220°F without deterioration, features exceptional resistance to gasoline, oil, oxygen, and ozone, and has high elastic memory allowing use of Delrin or nylon barbed fittings in low pressure applications without the need for external clamps.

Description	ID	OD	Part No.	Price
Bing Alcohol Resistant Fuel Line	1/4	3/8	05-00500	.
Bing Alcohol Resistant Fuel Line	1/8	1/4	05-00560	.



NYLON TUBING

Nylon tubing is a popular choice for low pressure pneumatic applications because of its combination of flexibility and toughness. Nylon retains its performance integrity in elevated temperatures and generally, because of its higher pressure and temperature characteristics, Nylon will have a greater flow passage than composite tubing made from other material with the same outside diameter.

Part No.	OD	ID	Price
0500-165	7/8	5/8	.
0500-180	1	3/4	.



POLY-FLO POLYETHYLENE TUBING

Poly-Flo tubing is a flexible, economical thermoplastic tubing fabricated from high molecular weight polyethylene for improved strength. The base resin has the greatest resistance to environmental stress cracking of all the regular polyethylenes. It meets A.S.T.M. D-1248-60T, Type 1, Class A, Grade 4 and Federal Specification LP-590, Type 2, Grade 7. Used for instrument or pneumatic lines. Use Nylo-Seal fittings (259-N inserts are required), nylon or polyethylene hose fittings such as 0710-153. Color - natural.

Part No.	Tube OD	Wall	Bend Radius	PSI at 75 F	PSI at 150 F	Price
44-P	1/4	0.040	1.250	190	75	.
66-P	3/8	0.062	2.00	205	80	.
88-P	1/2	0.062	2.500	150	60	.

CHEMICAL RESISTANCE

Chemical (at 72°F.)	Poly-Flo (Polyethylene)	Nylo-SealNSR (Nylon 11)
Hydrocarbons (Fuel & Oil)	U	A
Chlorinated Hydrocarbons	U	A
Acetone, MEK	VariesA	
Toluene, Xylene	U	A
Weak Acids	A	A
Strong Acids	A	Varies
Weak Bases	A	A
Strong Bases	A	A

A: Acceptable U: Unsatisfactory

PHYSICAL PROPERTIES OF TUBING BASE POLYMER

Physical Property	Poly-Flo (Polyethylene)	Nylo-SealNSR (Nylon 11)
Tensile Strength	2,100 psi	8,500 psi
Elongation	600%	160%
Water Absorption	0.014%	0.4%
Hardness	R-10	R-86
Specific Gravity	0.92	302°F.
Heat Distortion Point (66 psi)	107°F.	302°F.
Modulus of Elasticity	13,000 psi	177,000 psi

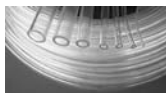
Data shown obtained from test on tubing raw material under A.S.T.M. procedures.

PRESSURE RATINGS

Operating Temperature	Poly-Flo (Polyethylene)		Nylo-Seal NSR** (Nylon 11)	
	Burst Pressure* PSI	Max. Work Pressure* PSI	Burst Pressure* PSI	Max. Work Pressure* PSI
Room Temp.	250-600	75-160	2500	625
140°F.	125-300	37-80	1800	425
230°F.	UNUSABLE		1400	350
280°F.	UNUSABLE		UNUSABLE	

*Depends on tube size and wall thickness. Working pressure based on a safety factor of 4.

**Satisfactory for continuous operation up to 180° F. Becomes embrittled above this point.



POLYURETHANE TUBING

Flexible polyurethane tubing has greater abrasion and tear resistance than any other type of plastic tubing. Won't age or oxidize. Excellent low temperature flexibility - avoids brittleness. Tensile strength 5900 PSI. Use AN hose fittings such as AN840 with Breeze Mini Clamps, nylon or polyethylene hose fittings such as 0710-153. Sold by the foot.

Mfg PN	OD	ID	Our PN	Price
0585-071	3/8	1/4	0585-071	.
0585-107	1/2	3/8	0585-107	.
0585-165	7/8	5/8	0585-165	.
0585-180	3/4	1	05-04246	.

PARKER SUPER-FLEX FL FUEL LINE HOSE



Parker's fuel line hose includes a new thermoplastic barrier that helps protect our atmosphere from harmful hydrocarbons that escape through the carcass of ordinary fuel hose. This new hose surpasses all of CARB's stringent permeation requirements and is similar to SAE30R7 specifications. The Super-Flex FL hose also features an abrasion and weather resistant cover to help protect from external application abuse. **Approved for biodiesel fuels that meet ASTM D 6751 requirements per UL guidelines for Biodiesel compatibility.** 4:1 Design factor

Tube:	NBR with a thermoplastic barrier
Cover:	Black Hypalon
Reinforcement:	Braided Polyester
Temperature Range:	-30°F to +257°F (-34°C to +125°C)

Part No.	ID (in.)	Reinf. Braids	OD(in.)	OD(mm)	Approx. wt. per 100 ft.	Min. Bend Rad.	Max Rec. WP	Price Per Ft.
05-03597	1/4	1	0.500	12.7	9.7	-	100	.
05-03598	3/8	1	0.625	15.9	1.30	-	100	.

AP