

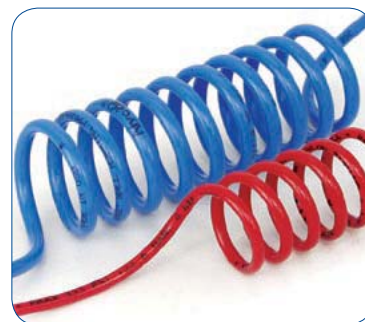
PNEUMATIC TUBING

Nylon Mini-Coils

The tight diameter of our Mini-Coils make them extremely flexible and ideal for use with robotics, instrumentation, small pneumatic tools, control circuits or any other application requiring either constant or intermittent motion. They include a pigtail on each end for easy fitting installation or connection to other devices. A variety of colors are available for coding purposes or to be aesthetically compatible with other equipment. Custom colors, sizes and lengths are available – please consult Customer Service.

Nylon - Mini-Coils

Tube O.D.	Tube I.D.	Wall Thickness	Part Number	Coil Dimensions					Color Code Suffix Key
				Overall Length	Length w/o Tails	Number of Coils	Coil O.D. "B"	Compact Length "C"	
inch	inch	inch		inch	inch		inch	inch	
5/32	0.106	0.025	4112_	24	16	5	1-1/2	7/8	0 = Natural 1 = Black 2 = Red 3 = Blue
5/32	0.106	0.025	4113_	36	28	8	1-1/2	1-1/4	
5/32	0.106	0.025	4115_	60	52	12	1-1/2	1-7/8	
5/32	0.106	0.025	4116_	72	64	19	1-1/2	3	
5/32	0.106	0.025	4110_	120	112	32	1-1/2	5	
1/4	0.180	0.035	4143_	36	28	6	2	1-1/2	
1/4	0.180	0.035	4145_	60	52	10	2	2-1/2	
1/4	0.180	0.035	4147_	84	76	15	2	3-3/4	
1/4	0.180	0.035	4149_	108	100	19	2	4-3/4	
5/16	0.232	0.040	4154_	48	40	6	2-5/8	1-7/8	
5/16	0.232	0.040	4156_	72	64	10	2-5/8	3-1/8	
5/16	0.232	0.040	4150_	120	112	16	2-5/8	5	



Supplied with "pigtailed" for connection. All tails are 4" long on both ends.

Adding a Color Code suffix to the part number is required. If no Color code is selected, Natural (0) color will be supplied.

Custom sizes, cut lengths, reel lengths and colors are available upon request. Contact Customer Service.

Recommended working length is 85% of the total length.

Capillary Tubing (Lube Tube)

Capillary Tubing is produced from a specially formulated Nylon resin with a 1/8" outside diameter and a 0.023" wall on 1000 foot reels. The tubing is used for injection lube systems. Tubing is in stock. Contact Customer Service for more information.

Nylon - Capillary Tubing

Tube O.D.	Tube I.D.	Wall Thickness	PN 1000
inch	inch	inch	Reel
1/8	0.079	0.023	60218

(500 PSI working pressure)



Media to Plastic Tubing Material Compatibility Guide

Media	PE	N	U	PVDF
Acetone	P	G	P	P
Acetyl Bromide	L	P	-	-
Acetyl Chloride	L	P	-	G
Air	G	G	G	G
Alcohols	G	G	L	G
Aluminum Salts	G	G	G	-
Ammonia	G	G	G	G
Amyl Acetate	G	G	L	G
Aniline	L	P	P	G
Animal Oils	P	G	G	G
Arsenic Salts	G	G	G	-
Aromatic Hydrocarbons	P	G	L	G
Barium Salts	G	G	G	-
Benzaldehyde	P	L	L	G
Benzene	P	G	L	G
Benzyl Alcohol	P	L	L	G
Bleaching Liquors	G	L	L	-
Boric Acid Solutions	G	G	G	G
Bromine	L	P	P	G
Butane	L	G	P	G
Butanol	G	G	G	-
Butyl Acetate	G	G	L	G
Calcium Hypochlorite	L	P	P	G
Calcium Salts	G	G	G	-
Carbon Dioxide	G	G	G	G
Carbon Disulfide	L	L	L	G
Carbon Tetrachloride	P	L	P	G
Caustic Potash	G	G	G	G
Caustic Soda	G	G	G	G
Chloracetic Acid	L	L	P	G
Chlorine (Dry)	L	P	P	G
Chlorine (Wet)	L	P	L	G
Chlorobenzene	P	L	L	G
Chloroform	P	P	P	G
Chromic Acid	L	P	P	G
Copper Salts	G	G	G	-
Cresol	P	P	P	G
Cyclohexanone	L	L	P	G
Ethers	L	G	P	G
Ethyl Acetate	G	G	L	G
Ethyl Alcohol	G	L	G	-
Ethylamine	L	L	L	-
Ethyl Bromide	P	L	-	G
Ethyl Chloride	P	L	-	G
Fatty Acids	L	G	L	G

Media	PE	N	U	PVDF
Ferric Salts	G	G	G	-
Formaldehyde	G	L	P	G
Formic Acid	G	P	P	G
Freon	L	G	L	#
Gasoline	P	G	L	G
Glucose	G	G	G	G
Glycerin	G	G	L	G
Hydriodic Acid	L	P	-	-
Hydrochloric Acid. (Conc.)	L	L	P	G
Hydrochloric Acid. (Med. Conc.)	L	L	P	G
Hydrofluoric Acid	L	P	P	G
Hydrogen Peroxide (Conc.)	L	L	L	L
Hydrogen Peroxide (Dil.)	L	G	G	G
Hydrogen Sulfide	G	G	P	G
Iodine	L	G	L	G
Kerosene	L	G	L	G
Ketones	G	G	P	G
Lacquer Solvents	L	G	-	G
Lactic Acid	G	G	G	G
Lead Acetate	G	G	G	G
Linseed Oil	L	G	G	G
Magnesium Salts	G	G	G	-
Naphtha	L	G	L	G
Natural Gas	L	G	G	G
Nickel Salts	G	G	G	-
Nitric Acid (Conc.)	P	P	P	G
Nitric Acid (Dil.)	P	L	P	G
Nitrobenzene	P	L	P	G
Nitrogen Oxides	L	L	-	-
Nitrous Acid	L	L	L	G
Oils (Animal and Mineral)	L	G	G	G
Oils (Vegetable)	L	G	G	G
Oxygen	G	G	G	G
Perchloric Acid	P	P	P	G
Phenols	P	P	P	G
Potassium Salts	G	G	G	-
Pyridine	L	L	P	G
Silver Nitrate	G	G	G	G
Soap Solutions	G	G	G	G
Sodium Salts	G	G	G	-
Stearic Acid	L	G	L	G
Sulfur Chloride	L	L	-	G
Sulfuric Acid (Conc.)	P	P	P	-
Sulfuric Acid (Dil.)	P	L	L	-
Sulfurous Acid	P	L	L	G

(Cont.)

Media	PE	N	U	PVDF
Tannic Acid	G	G	P	G
Tanning Extracts	G	G	P	-
Titanium Salts	G	G	G	-
Toluene	P	G	L	L
Trichloroacetic Acid	L	P	P	L
Trichloroethylene	P	L	P	L
Turpentine	P	G	L	G
Urea	G	G	G	G
Uric Acid	G	G	G	-
Water	G	G	G	G
Xylene	P	G	P	G
Zinc Chloride	G	G	G	G

MATERIAL CODE FOR THERMOPLASTIC TUBING	
N	Flexible Nylon
PE	Linear Low Density Polyethylene
U	Polyurethane

MATERIAL CODE FOR FLUOROPOLYMER TUBING	
PVDF	Polyvinylidene Fluoride

RATINGS CODE		
G	—	Good to excellent. Little or no swelling, tensile or surface changes. Preferred choice.
L	—	Marginal or conditional. Noticeable effects but not necessarily indicating lack of serviceability. Further testing suggested for specific application. Very long-term effects such as stiffening or potential for crazing should be evaluated.
P	—	Poor or unsatisfactory. Not recommended without extensive and realistic testing.
—	—	Indicates that this was not tested.
#	—	For fluoropolymer. Indicates good chemical resistance but potential for excessive permeation.

Notes:

The Fluid Compatibility Guides are simplified rating tabulations based on immersion tests at 75°F. Higher temperatures tend to reduce ratings. Since final selection depends on pressure, fluid and ambient temperature and other factors not known to Parker Hannifin Co., no performance guarantee is expressed or implied. Ratings do not imply compliance with specialized codes such as FDA, NSF, AGA or UL and do not cover possible fluid discoloration, taste or odor effects. For conveying foodstuffs use FDA sanctioned materials, and for potable water use NSF listed materials. For chemicals not listed, or for advice on particular applications, please consult Product Engineering at Nycoil. Hose applications for these fluids must take into account legal and insurance regulations. This does not imply AGA or UL compliance.

Chemical compatibility does not imply low permeation rates. Consult the Nycoil for a suggestion for your specific requirement.

Does not imply NSF or FDA compliance.

Chemical compatibility does not imply acceptability for use in airless paint spray applications. These applications require a special conductive hose.

Fluoropolymers are chemically compatible with Anhydrous Ammonia. However, extreme caution must be used in dealing with Anhydrous Ammonia since it can cause severe injuries such as blindness and/or chemical burns.