



## PNEUMATIC TUBING

# Nylon Tubing

## The Nylon Advantage

Nylon tubing is a popular choice for low pressure pneumatic applications because of its combination of flexibility and toughness. Nycoil uses a heat and light stabilized, very flexible compound that yields a quality tube. Nylon is the most recommended tubing material for all types of pneumatic circuits.

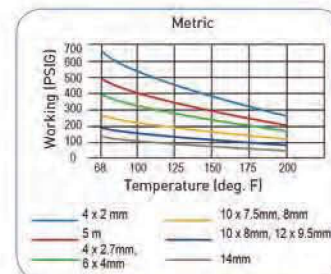
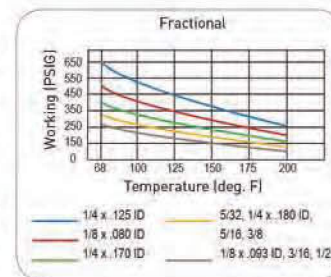
A circuit designer could never get into trouble using Nylon tubing for pneumatic circuits. Due to its physical properties, Nylon is the number one choice for reliable connections with all types of fittings. Nylon retains its performance integrity in elevated temperatures and generally, because of its higher pressure and temperature characteristics, Nylon will have a greater flow passage than composite tubing made from other material with the same outside diameter. These factors should never be overlooked when designing pneumatic circuits.

### Nylon Property Overview

- Flexible
- Good Chemical Resistance
- Low Moisture Absorption
- Superior Dimensional Stability
- Temperature Range:  
-40°F to +200°F (-40°C to +93°C)

### Typical Applications

- Low Pressure Pneumatic
- Pneumatic Circuits
- Injection Lube Systems
- Hydro-Pneumatic Circuit



## Nylon Products

- Pneumatic Tubing
- Mini-Coils
- Capillary Tubing



## PNEUMATIC TUBING

### Nylon Fractional Inch Tubing

Tube O.D.	Tube I.D.	Wall Thickness	Part Number			Min. Bend Radius	Weight	Working Pressure		Burst Pressure	Color Code
			100'	500'	1000'						
inch	inch	inch	Reel	Reel	Reel	inch	1000' (lbs.)	PSI@68°F	PSI@125°F	PSI@65°F	Suffix Key
1/8	0.080	0.023	6121	6521	6021	1/4	3.3	500	350	1500	0 = Natural
1/8	0.093	0.016	6122	6522	6022	1/2	2.5	267	187	800	1 = Black
5/32	0.106	0.025	6123	6523	6023	5/8	4.8	333	233	1000	2 = Red
3/16	0.137	0.025	6123	6533	6033	3/4	5.8	267	187	800	3 = Blue
1/4	0.180	0.035	6144	6544	6044	7/8	10.9	333	233	1000	4 = Green
1/4	0.125	0.062	6146	6546	6046	1-1/4	16.9	667	467	2000	5 = Yellow
1/4	0.170	0.040	6147	6547	6047	7/8	12.2	400	280	1200	6 = Orange
5/16	0.232	0.040	6155	6555	6055	1	15.7	333	233	1000	7 = Gray
3/8	0.275	0.050	6165	6565	6065	1-1/4	23.3	333	233	1000	
1/2	0.375	0.062	6185	6585	6085	2-1/4	39	267	187	800	

### Nylon Metric Tubing

Tube O.D.	Tube I.D.	Wall Thickness	Part Number			Min. Bend Radius	Weight	Working Pressure		Burst Pressure	Color Code
			100'	500'	1000'						
mm	mm	mm	Reel	Reel	Reel	mm	1000' (lbs.)	PSI@68°F	PSI@125°F	PSI@65°F	Suffix Key
4	2.7	0.65	7104	7404	7704	24	3.8	367	257	1100	0 = Natural
4	2	1	7102	7402	7702	24	6.8	667	467	2000	1 = Black
5	3	1	7105	7405	7705	30	9	500	350	1500	2 = Red
6	4	1	7106	7406	7706	36	11.2	400	280	1200	3 = Blue
8	6	1	7108	7408	7708	48	15.8	283	198	850	4 = Green
10	8	1	7111	7411	7711	60	20.2	200	140	600	
10	7.5	1.25	7110	7410	7710	70	24.6	267	187	800	
12	9.5	1.25	7112	7412	7712	70	30.1	233	163	700	
14	12	1	7116	-	-	100	29.1	133	93	400	

\* Indicates 250' Reel

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. Please refer to the Technical Section for working pressure charts and chemical resistance.

