

# Nylon

## Specifications

**Temperature Range**  
-60°F to +200°F

**Vacuum Rating**  
To 28" Hg

**Diameter Tolerance**  
<1/2"± .004"  
>1/2"± .005"

**Hardness**  
78 Rockwell R

**Tube Markings**  
FW Specifications

**Working Pressure**  
4:1 Safety Factor

**UV Stabilized**  
Yes

**Resin Compliance**  
Meets UL94HB  
Testing Requirements

**Suggested Fittings**  
Push-In, Compression

**N**ylon tubing (also referred to as polyamide) can withstand higher temperatures, making it an ideal choice for a wide variety of applications. When compared to other Nylon resins, Freelin-Wade's tubing allows for a lighter weight wall, greater flexibility and smaller bend radius. It is also more corrosion resistant than other types of Nylon tubing because of its resistance moisture absorption. Its heat and UV stabilization makes it resistant to stress-cracking, so it works well in sunny areas. It is chemical resistant which makes it a good choice in areas where exposure to certain chemicals is a possibility.

Freelin-Wade manufactures nylon tubing from a variety of resins and there are any number of variations possible. We are happy to match any color you need, configure a coil, bond two tubes, print and cut to length. Freelin-Wade can make a nylon tube to meet your needs.

## Features

- Strong, lightweight and flexible.
- Dimensionally stable.
- Heat and light stabilized.
- Resistant to corrosion and stress-cracking.



## Nylon Colors

**A**ny of our nylon tubing products listed on page 15 are available in the colors shown below. If not shown as a standard item, please allow 3 weeks to fulfill your order.



## Nylon

Part Number & Color Code	Packaging Unit Size	OD	ID	Wall	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-247- 1A-247-	100' Bag 2500' Reel	1/8"	.079"	.023"	01 10	420 PSI	250 PSI	.35	3/8"	PI, C
1J-200- 1C-200- 1B-200- 1A-200-	100' Bag 500' Reel 1000' Reel 2500' Reel	1/8"	.093"	.016"	01 05 06 07 08 10	270 PSI	160 PSI	.25	1/2"	PI, C
1J-201- 1C-201- 1B-201- 1A-201-	100' Bag 500' Reel 1000' Reel 2500' Reel	5/32"	.106"	.025"	01 03 05 06 07 08 09 10 12	350 PSI	210 PSI	.51	1/2"	PI, C
1J-202- 1B-202- 1A-202-	100' Bag 500' Reel 2000' Reel	3/16"	.138"	.025"	01 05 06 07 10	260 PSI	160 PSI	.55	5/8"	PI, C
1J-214- 1A-214-	100' Bag 1000' Reel	1/4"	.125"	.062"	01 10	590 PSI	350 PSI	1.77	3/8"	PI, C
1J-203- 1B-203- 1A-203-	100' Bag 500' Reel 1000' Reel	1/4"	.170"	.040"	01 03 05 06 07 08 09 10	330 PSI	200 PSI	1.27	3/4"	PI, C
1J-204- 1B-204- 1A-204-	100' Bag 500' Reel 1000' Reel	1/4"	.180"	.035"	01 05 06 07 08 09 10	290 PSI	170 PSI	1.13	1"	PI, C
1J-205- 1A-205-	100' Bag 500' Reel	5/16"	.232"	.040"	01 05 06 07 08 10	240 PSI	140 PSI	1.64	1-1/2"	PI, C
1J-206- 1A-206-	100' Bag 500' Reel	3/8"	.275"	.050"	01 05 06 07 08 09 10	250 PSI	150 PSI	2.45	1-1/2"	PI, C
1J-207- 1A-207- 1AA-207-	100' Bag 250' Reel 500' Reel	1/2"	.375"	.062"	01 05 06 07 08 10	240 PSI	140 PSI	4.12	2-1/4"	PI, C
1J-213- 1AA-213-	50' Bag 250' Reel	5/8"	1/2"	.062"	01 10	170 PSI	100 PSI	5.30	3-1/4"	PI, C

### Metric Sizes

Part Number & Color Code	Packaging Unit Size	OD mm	ID mm	Wall mm	Standard Colors	Working Pressure		lbs./100'	Bend Radius	Fitting
						75°F/25°C	150°F/65°C			
1J-246- 1C-246- 1B-246- 1A-246-	100' Bag 500' Reel 1000' Reel 2500' Reel	3	1.8	.6	10	410 PSI	240 PSI	.33	6.3 mm	PI, C
1J-201- 1C-201- 1B-201- 1A-201-	100' Bag 500' Reel 1000' Reel 2500' Reel	4	2.7	.65	01 03 05 06 07 08 09 10 12	350 PSI	210 PSI	.51	12.7 mm	PI, C
1J-241- 1A-241-	100' Bag 1000' Reel	5	3	1	01 05 06 07 08 10	420 PSI	250 PSI	.94	9.5 mm	PI, C
1J-242- 1B-242- 1A-242-	100' Bag 500' Reel 1000' Reel	6	4	1	01 05 06 07 08 09 10	340 PSI	200 PSI	1.17	17 mm	PI, C
1J-243- 1A-243-	100' Bag 500' Reel	8	6	1	01 05 06 07 08 10	250 PSI	150 PSI	1.64	38 mm	PI, C
1J-244- 1A-244-	100' Bag 500' Reel	10	8	1	01 03 10	190 PSI	110 PSI	2.11	51 mm	PI, C
1J-245- 1A-245- 1AA-245-	100' Bag 250' Reel 500' Reel	12	10	1	01 10	150 PSI	90 PSI	2.55	76 mm	PI, C

Variations Available:

Coiling • Colors • Cutting • Bonding • Printing • Packaging • Sizes