

# Nylon 11



## Specifications

<b>Temperature Range:</b>	-60°F to +200°F
<b>Vacuum Rating:</b>	To 28" Hg.
<b>Diameter Tolerances:</b>	+ .002"; - .004"
Metric:	+ .051 mm; - .1 mm
<b>Hardness:</b>	78 Rockwell R
<b>Tube Markings:</b>	FW Specifications
<b>Working Pressure:</b>	4:1 Safety Factor
<b>UV Stabilized:</b>	Yes
<b>Base Resin Compliance:</b>	Meets UL94HB Testing Requirements
<b>Recommended Fitting:</b>	Push-In, Compression

Scientists at DuPont invented nylon in 1931. Heralded as “the miracle fiber” because unlike previous manufactured fibers, that early nylon was synthesized entirely from petrochemicals. Like other polymers, its first major commercialization came as a textile. DuPont never registered the trademark for nylon, instead hoping that the name would become synonymous with “stockings.”\*

There are five main classes of nylon: 6/6, Nylon 6, Nylon 6/12, Nylon 11, and Nylon 12. Freelin-Wade chose Nylon 11 for our tubing because it has high chemical resistance properties while absorbing less moisture than other nylons. Nylon 11 is also much less rigid than the “6-formulas” of the resin. It allows for a lighter weight wall, greater flexibility and smaller bend radius. It's also

## Nylon 11

Nylon 11  
14

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

### Variations Available:

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

Also known as Fre-Lon®

Request a Quote or Find a Distributor: 888-373-9233

www.freelin-wade.com

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worth noting that unlike the early nylon compounds, Freelin-Wade's Nylon 11 resin is manufactured from castor oil, a renewable resource. We like to call it "environmentally advantaged."

Freelin-Wade manufactures Nylon 11 tubing in a variety of sizes and colors. There are also any number of variations possible. We're happy to match any color you need, configure a coil, bond up to two tubes, print it and cut it to length. Freelin-Wade can make a Nylon 11 tube to meet your needs.

\*Source: American Fiber Manufacturers Association

## Features

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



Nylon 11  
**15**

## Nylon 11 – Metric Sized

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

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