

PROFESSIONAL PLASTICS, INC.

(888) 995-7767 www.professionalplastics.com sales@proplas.com

NYLOTUBE® Nylon-11 and NYLOTUBE® Nylon-12

Sizes & Information

NYLOTUBE® Nylon-11



Nylon-11 - Semi-rigid Grade

Product Number	Note	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2300214	[B]	.095	.125 (1/8)	.015	500	400	3/8[BA]	Black	.25
2300270		.095	.125 (1/8)	.015	500	400	3/8[BA]	Natural	.25
2300585		.106	.156 (5/32)	.025	250	730	3/8[BA]	Natural	.47
2300844	[B]	.137	.188 (3/16)	.025	250	530	1/2[BA]	Black	.58
2300900		.137	.188 (3/16)	.025	250	530	1/2[BA]	Natural	.58
2301215		.190	.250 (1/4)	.030	250	500	1[BA]	Natural	.95
2301530		.242	.313 (5/16)	.035	100	465	1-1/4[BA]	Natural	1.35
2301845		.295	.375 (3/8)	.040	100	530	1-1/2[BA]	Natural	1.92
2310266		.075	.125 (1/8)	.025	500	1000	1/4[BA]	Natural	.35
2310525	[B]	.086	.156 (5/32)	.035	250	1120	1/4[BA]	Black	.60
2310581		.086	.156 (5/32)	.035	250	1120	1/4[BA]	Natural	.60
2310896		.107	.188 (3/16)	.040	250	980	3/8[BA]	Natural	.84
2311211		.150	.250 (1/4)	.050	250	1000	1/2[BA]	Natural	1.39
2311841		.225	.375 (3/8)	.075	100	1180	1[BA]	Natural	3.20

[B] Limited stock item; lead times and minimums apply --call for details.

[BA] Use only as a guide.

Add length suffix to part number when ordering.

Example: 100 ft. of .225" I.D. x 3/8" O.D., natural color tubing is number 231 1841-100.

OD is the critical dimension for [fittings](#) application.

Nylon-11 - Flexible Grade

Product Number	Note	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2321158	[B]	.212	.313 (5/16)	.050	100	315	7/8[BA]	Black	1.66
2321487	[B]	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Blue	2.69
2321543	[B]	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Orange	2.69
2321802	[B]	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Blue	3.88

[B] Limited stock item; lead times and minimums apply --call for details.

[BA] Use only as a guide.

Add length suffix to part number when ordering. Example: 500 ft. of .058" I.D. x 1/8" O.D., black color tubing is part number 232 0213-500.

Red, Yellow, Green, Blue, Orange, & Brown are available in 100 ft. coils only.

OD is the critical dimension for fittings application.

Nylon-11 - Metric Sizes, Flexible Grade

Product Number	Note	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2350215	[B]	2.5mm	4mm	.75mm	100	480	8mm[BA]	Black	0.53
2350229	[B]	2.5mm	4mm	.75mm	100	480	8mm[BA]	Blue	0.53
2350299	[B]	2.5mm	4mm	.75mm	100	480	8mm[BA]	Red	0.53
2350313	[B]	2.5mm	4mm	.75mm	100	480	8mm[BA]	Yellow	0.53
2350845	[B]	4mm	6mm	1mm	100	430	13mm[BA]	Black	1.06
2350901	[B]	4mm	6mm	1mm	100	430	13mm[BA]	Natural	1.06
2350929	[B]	4mm	6mm	1mm	100	430	13mm[BA]	Red	1.06
2351174	[B]	6mm	8mm	1mm	100	315	33mm[BA]	Blue	1.49
2351202	[B]	6mm	8mm	1mm	100	315	33mm[BA]	Green	1.49
2351489	[B]	8mm	10mm	1mm	100	265	50mm[BA]	Blue	2.00
2351517	[B]	8mm	10mm	1mm	100	265	50mm[BA]	Green	2
2351832	[B]	9mm	12mm	1.5mm	100	300	45mm[BA]	Green	3.32

[B] Limited stock item; lead times and minimums apply --call for details.

[BA] Use only as a guide.

All tubing sold by standard coil length only (100 ft.).

Add length suffix to part number when ordering. Example: 100 ft. of 2.5mm I.D. x 4mm O.D., natural color tubing is part number 235 0271-100.

Metric fittings are available from stock; call for more information.

OD is the critical dimension for fittings application.

Physical Properties**

	SEMI-RIGID GRADE	FLEXIBLE GRADE
Hardness, Shore D ±5	72	63
Tensile Strength, psi	8700	6670
Elongation at Break, %	300	300
Brittle Temperature	<-90°F	<-90°F
Max. Operating Temp.^	212°F	212°F

**Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for the application.

^Continuous Operating Temperature: 160°F.

Tolerances

OD (INCH)	TOLERANCE (INCH)
1/8 - 5/32	+ .001, - .003
3/16 - 5/8	+ .001, - .004
3/4	+ .001, - .005
1	+ .001, - .006

Notes

NYLOTUBE® is resistant to solvents, alkalies, oils, greases, petroleum products, fungus, and molds. It has generally good resistance to dilute mineral and organic acids, but in-plant tests are suggested.

Semi-Rigid grade, black color, is heat and light stabilized.

Nylon brittleness is usually caused by cycles of water absorption and depletion. NYLOTUBE® is not dependent on moisture for flexibility, so life expectancy is greatly increased with brittleness eliminated.

Corrugated nylon tubing is available.

Custom sizes and colors, including clear, are available through minimum order. Repetitive cutting, bonding, coiling, heat-formed shapes, and custom fabrication are also available. Samples of stock material are available upon request.

Recommended Fittings & Clamps

OD (MM)	TOLERANCE (MM)
4	+ .0254, -.0762
5 - 12	+ .0254, -.1000

- Newloc® Acetal - Push-to-Connect Fittings
- Newloc® Brass - Push-to-Connect Fittings

NYLOTUBE® Nylon-12

Nylon-12 - Semi-rigid Grade

Product Number	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2330216	.075	.125 (1/8)	.025	500	1000	1/4[BA]	Black	0.35
2330265	.075	.125 (1/8)	.025	500	1000	1/4[BA]	Natural	0.35
2330531	.095	.125 (1/8)	.015	500	400	3/8[BA]	Black	0.25
2330580	.095	.125 (1/8)	.015	500	400	3/8[BA]	Natural	0.25
2330846	.086	.156 (5/32)	.035	250	1120	1/4[BA]	Black	0.6
2330895	.086	.156 (5/32)	.035	250	1120	1/4[BA]	Natural	0.6
2331161	.106	.156 (5/32)	.025	250	730	3/8[BA]	Black	0.47
2331210	.106	.156 (5/32)	.025	250	730	3/8[BA]	Natural	0.47
2331476	.107	.188 (3/16)	.040	250	980	3/8[BA]	Black	0.84
2331525	.107	.188 (3/16)	.040	250	980	3/8[BA]	Natural	0.84
2331791	.137	.188 (3/16)	.025	250	530	1/2[BA]	Black	0.58
2331840	.137	.188 (3/16)	.025	250	530	1/2[BA]	Natural	0.58
2332106	.150	.250 (1/4)	.050	250	1000	1/2[BA]	Black	1.39
2332155	.150	.250 (1/4)	.050	250	1000	1/2[BA]	Natural	1.39
2332421	.190	.250 (1/4)	.030	100, 250	500	1[BA]	Black	0.95
2332470	.190	.250 (1/4)	.030	100, 250	500	1[BA]	Natural	0.95
2332736	.182	.313 (5/16)	.065	100	1165	7/8[BA]	Black	2.2
2332785	.182	.313 (5/16)	.065	100	1165	7/8[BA]	Natural	2.2
2333051	.242	.313 (5/16)	.035	100	465	1-1/4[BA]	Black	1.35
2333100	.242	.313 (5/16)	.035	100	465	1-1/4[BA]	Natural	1.35
2333366	.225	.375 (3/8)	.075	100	1180	1[BA]	Black	3.2
2333415	.225	.375 (3/8)	.075	100	1180	1[BA]	Natural	3.2
2333681	.295	.375 (3/8)	.040	100	530	1-1/2[BA]	Black	1.92
2333730	.295	.375 (3/8)	.040	100	530	1-1/2[BA]	Natural	1.92

[BA] Use only as a guide.

Add length suffix to part number when ordering. Example: .190" I.D. x 1/4" O.D., "natural" color tubing is number 233 2470-250.

OD is the critical dimension for fittings application.

Nylon-12 - Flexible Grade

Product Number	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2340212	.058	.125 (1/8)	.034	500	830	5/16[BA]	Black	0.44

2340219	.058	.125 (1/8)	.034	100	830	5/16[BA]	Blue	0.44
2340254	.058	.125 (1/8)	.034	100	830	5/16[BA]	Green	0.44
2340261	.058	.125 (1/8)	.034	500	830	5/16[BA]	Natural	0.44
2340289	.058	.125 (1/8)	.034	100	830	5/16[BA]	Red	0.44
2340527	.117	.188 (3/16)	.035	250	600	3/8[BA]	Black	0.74
2340534	.117	.188 (3/16)	.035	100	600	3/8[BA]	Blue	0.74
2340569	.117	.188 (3/16)	.035	100	600	3/8[BA]	Green	0.74
2340576	.117	.188 (3/16)	.035	250	600	3/8[BA]	Natural	0.74
2340604	.117	.188 (3/16)	.035	100	600	3/8[BA]	Red	0.74
2340625	.117	.188 (3/16)	.035	100	600	3/8[BA]	Yellow	0.74
2340842	.170	.250 (1/4)	.040	250	450	1/2[BA]	Black	1.15
2340849	.170	.250 (1/4)	.040	100	450	1/2[BA]	Blue	1.15
2340884	.170	.250 (1/4)	.040	100	450	1/2[BA]	Green	1.15
2340891	.170	.250 (1/4)	.040	250	450	1/2[BA]	Natural	1.15
2340919	.170	.250 (1/4)	.040	100	450	1/2[BA]	Red	1.15
2340940	.170	.250 (1/4)	.040	100	450	1/2[BA]	Yellow	1.15
2341472	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Black	2.69
2341479	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Blue	2.69
2341514	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Green	2.69
2341521	.250 (1/4)	.375 (3/8)	.063 (1/16)	100, 500	450	1[BA]	Natural	2.69
2341549	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Red	2.69
2341570	.250 (1/4)	.375 (3/8)	.063 (1/16)	100	450	1[BA]	Yellow	2.69
2341787	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Black	3.88
2341794	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Blue	3.88
2341829	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Green	3.88
2341836	.375 (3/8)	.500 (1/2)	.063 (1/16)	100, 500	330	1-1/2[BA]	Natural	3.88
2341864	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Red	3.88
2341885	.375 (3/8)	.500 (1/2)	.063 (1/16)	100	330	1-1/2[BA]	Yellow	3.88
2342102	.500 (1/2)	.625 (5/8)	.063 (1/16)	100	265	2-1/2[BA]	Black	15.21
2342151	.500 (1/2)	.625 (5/8)	.063 (1/16)	100, 500	265	2-1/2[BA]	Natural	15.21
2342417	.594 (19/32)	.750 (3/4)	.078 (5/64)	100	300	4[BA]	Black	7.36
2342466	.594 (19/32)	.750 (3/4)	.078 (5/64)	100	300	4[BA]	Natural	7.36
2342732	.813 (13/16)	1.000	.094 (3/32)	100	230	7[BA]	Black	11.74
2342781	.813 (13/16)	1.000	.094 (3/32)	100	230	7[BA]	Natural	11.74

[BA] Use only as a guide.

Add length suffix to part number when ordering. Example: .158" I.D. x 1/8" O.D., red color tubing is number 234 0289-500.

Red, Yellow, Green, & Blue, are available in 100 ft. coils only.

OD is the critical dimension for fittings application.

Nylon-12 - Metric Sizes, Flexible Grade

Product Number	ID	OD	Wall	Available Lengths	Working PSI (at 70°F)	Bend Radius	Colors	Weight (lbs/100 ft)
2360211	2.5mm	4mm	.75mm	100	480	8mm[BA]	Black	0.53
2360225	2.5mm	4mm	.75mm	100	480	8mm[BA]	Blue	0.53
2360253	2.5mm	4mm	.75mm	100	480	8mm[BA]	Green	0.53
2360267	2.5mm	4mm	.75mm	100	480	8mm[BA]	Natural	0.53
2360295	2.5mm	4mm	.75mm	100	480	8mm[BA]	Red	0.53
2360309	2.5mm	4mm	.75mm	100	480	8mm[BA]	Yellow	0.53

2360841	4mm	6mm	1mm	100	430	13mm[BA]	Black	1.06
2360855	4mm	6mm	1mm	100	430	13mm[BA]	Blue	1.06
2360883	4mm	6mm	1mm	100	430	13mm[BA]	Green	1.06
2360897	4mm	6mm	1mm	100	430	13mm[BA]	Natural	1.06
2360925	4mm	6mm	1mm	100	430	13mm[BA]	Red	1.06
2360939	4mm	6mm	1mm	100	430	13mm[BA]	Yellow	1.06
2361156	6mm	8mm	1mm	100	315	33mm[BA]	Black	1.49
2361170	6mm	8mm	1mm	100	315	33mm[BA]	Blue	1.49
2361198	6mm	8mm	1mm	100	315	33mm[BA]	Green	1.49
2361212	6mm	8mm	1mm	100	315	33mm[BA]	Natural	1.49
2361240	6mm	8mm	1mm	100	315	33mm[BA]	Red	1.49
2361254	6mm	8mm	1mm	100	315	33mm[BA]	Yellow	1.49
2361471	8mm	10mm	1mm	100	265	50mm[BA]	Black	2
2361484	8mm	10mm	1mm	100	265	50mm[BA]	Blue	2
2361513	8mm	10mm	1mm	100	265	50mm[BA]	Green	2
2361527	8mm	10mm	1mm	100	265	50mm[BA]	Natural	2
2361555	8mm	10mm	1mm	100	265	50mm[BA]	Red	2
2361569	8mm	10mm	1mm	100	265	50mm[BA]	Yellow	2
2361786	9mm	12mm	1.5mm	100	300	45mm[BA]	Black	3.32
2361800	9mm	12mm	1.5mm	100	300	45mm[BA]	Blue	3.32
2361828	9mm	12mm	1.5mm	100	300	45mm[BA]	Green	3.32
2361842	9mm	12mm	1.5mm	100	300	45mm[BA]	Natural	3.32
2361877	9mm	12mm	1.5mm	100	300	45mm[BA]	Red	3.32
2361884	9mm	12mm	1.5mm	100	300	45mm[BA]	Yellow	3.32

[BA] Use only as a guide.

All tubing sold by standard coil length only (100 ft.).

Add length suffix to part number when ordering. Example: 2.5mm I.D. x 4mm O.D., natural color tubing is part number 236 0267-100.

Metric fittings are available from stock; call for more information.

OD is the critical dimension for fittings application.

Physical Properties**

	SEMI-RIGID GRADE	FLEXIBLE GRADE
Hardness, Shore D ±5	72	63
Tensile Strength, psi	7790	7348
Elongation at Break, %	300	300
Brittle Temperature	<-90°F	<-90°F
Max. Operating Temp. ^	212°F	212°F

**Values listed are typical and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for the application.

^Continuous Operating Temperature: 160°F.

Notes

NYLOTUBE® is resistant to solvents, alkalies, oils, greases, petroleum products, fungus, and molds. It has generally good resistance to dilute mineral and organic acids, but in-plant tests are suggested.

Semi-Rigid grade, black color, is heat and light stabilized.

Nylon brittleness is usually caused by cycles of water absorption and depletion. NYLOTUBE® is not dependent on moisture for flexibility, so life expectancy is greatly increased with brittleness eliminated.

Corrugated nylon tubing is available.

Custom sizes and colors, including clear, are available through minimum order. Repetitive cutting, bonding, coiling, heat-formed shapes, and custom fabrication are also available. Samples of stock material are available upon request.

Tolerances

OD (INCH)	TOLERANCE (INCH)
1/8 - 5/32	+ .001, - .003
3/16 - 5/8	+ .001, - .004
3/4	+ .001, - .005
1	+ .001, - .006

Recommended Fittings & Clamps

OD (MM)	TOLERANCE (MM)
4	+0.0254, -0.0762
5 - 12	+0.0254, -0.1000

- Newloc® Acetal - Push-to-Connect Fittings
- Newloc® Brass - Push-to-Connect Fittings

**To Purchase Nylotube ® Nylon Tubing Products,
contact Professional Plastics, Inc.**

PROFESSIONAL PLASTICS, INC.

(888) 995-7767

www.professionalplastics.com

sales@proplas.com

Nylotube ® is a registered tradename of New Age Industries.