

**OMEGAFLEX®**

# NYLON 11 TUBING

## TYNY Series



By P/N†

This formulation for flexible premium tubing is the standard for both general industrial and automotive applications. Its broad temperature range -51 to 93°C (-60 to 200°F) continuous combines with light weight, dimensional stability, chemical resistance and flexibility.

### SPECIFICATIONS

**Hardness, Shore D:** 64  
**Specific Gravity:** 1.03  
**Tensile Strength PSI: Yield PSI (ASTMD-638):** 3335  
**Elongation at Break:** 570%  
**Minimum/Maximum Operating Temperature:** -51 to 93°C (-60 to 200°F)

### Color Tubing Availability

Note	Available Colors
1	-BL, -BLK, -GN, -GY, -OR, -R, -Y
2	-BLK, -R, -GN
3	-BL, -BLK
4	-BLK
5	-GN
6	Natural translucent white only

**Note:** Standard Color Natural Translucent White, no suffix required.

† Visit [omega.com/rohs](http://omega.com/rohs) to determine RoHS compliance.



### Color Tubing

Order Suffix	Color
-BL	Blue
-BLK	Black
-GN	Green
-GY	Gray
-OR	Orange
-R	Red
-Y	Yellow

No additional charge.  
 Standard color is neutral translucent white, no order suffix required.

## To Order

1/8 to 1/2" OD Tubing

Model No.	OD Nominal (inch)	ID Nominal (inch)	Wall Thickness Nominal (inch)	Minimum Bend Radius (inch)	OD Tol. (inch)	ID Tol. (mm)	Working Pressure psi @ 75°F	lbs/100 ft	Standard Coil Length (ft)
TYNY-18080-100 <sup>6</sup>	1/8	0.08	0.023	0.7	+0.002-.0045	±0.004	250	1/2	100
TYNY-18080-500 <sup>1</sup>	1/8	0.08	0.023	0.7	+0.002-.0045	±0.004	250	1/2	500
TYNY-532106-100 <sup>1</sup>	5/32	0.106	0.025	0.94	+0.002-.0045	±0.004	250	3/4	100
TYNY-532106-500 <sup>1</sup>	5/32	0.106	0.025	0.94	+0.002-.0045	±0.004	250	3/4	500
TYNY-316118-100 <sup>1</sup>	3/16	0.118	0.035	1.1	+0.002-.0055	±0.004	250	1	100
TYNY-316118-500 <sup>1</sup>	3/16	0.118	0.035	1.1	+0.002-.0055	±0.004	250	1	500
TYNY-14180-100 <sup>1</sup>	1/4	0.18	0.035	1.5	+0.002-.0055	±0.004	250	1 1/4	100
TYNY-14180-500 <sup>1</sup>	1/4	0.18	0.035	1.5	+0.002-.0055	±0.004	250	1 1/4	500
TYNY-14170-100 <sup>1</sup>	1/4	0.17	0.04	1.5	+0.002-.0055	±0.004	300	1 1/2	100
TYNY-14170-500 <sup>1</sup>	1/4	0.17	0.04	1.5	+0.002-.0055	±0.004	300	1 1/2	500
TYNY-14126-100 <sup>4</sup>	1/4	0.126	0.062	1.5	+0.002-.0055	±0.004	500	2 1/2	100
TYNY-14126-500 <sup>4</sup>	1/4	0.126	0.062	1.5	+0.002-.0055	±0.004	500	2 1/2	500
TYNY-516233-100 <sup>1</sup>	5/16	0.233	0.04	1.85	+0.002-.0055	±0.004	250	1 3/4	100
TYNY-516233-500 <sup>1</sup>	5/16	0.233	0.04	1.85	+0.002-.0055	±0.004	250	1 3/4	500
TYNY-38275-100 <sup>1</sup>	3/8	0.275	0.05	2.25	+0.002-.0055	±0.004	250	2 3/4	100
TYNY-38275-500 <sup>1</sup>	3/8	0.275	0.05	2.25	+0.002-.0055	±0.004	250	2 3/4	500
TYNY-12375-100 <sup>1</sup>	1/2	0.375	0.062	3	+0.002-.0055	±0.004	250	4 3/4	100
TYNY-12375-500 <sup>1</sup>	1/2	0.375	0.062	3	+0.002-.0055	±0.004	250	4 3/4	500

**Note:** Specified minimum bend radius is for minimal tube flattening.

**Ordering Example:** TYNY-14180-100-GN, 100' of green tubing, 1/4" OD, 0.18" ID, 0.035" wall.



OMEGAFLEX® Nylon 11 Tubing

## To Order

4 to 14 mm OD Tubing, Metric Diameters

Model No.	OD Nominal (mm)	ID Nominal (mm)	Wall Thickness Nominal (mm)	Bend Radius (mm)	Minimum OD Tol. (mm)	ID Tol. (mm)	Maximum Working Pressure @ 75°F	lbs/100ft	Standard Coil Length (meters)
TYNY-427-25 <sub>1</sub>	4	2.7	0.65	24	+0.05-0.1	±0.1	18 BARS	1/2	50
TYNY-427-150 <sub>1</sub>	4	2.7	0.65	24	+0.05-0.1	±0.1	18 BARS	1/2	150
TYNY-42-25 <sub>2</sub>	4	2	1	24	+0.05-0.1	±0.1	33 BARS	3/4	25
TYNY-42-150 <sub>2</sub>	4	2	1	24	+0.05-0.1	±0.1	33 BARS	3/4	150
TYNY-533-25 <sub>3</sub>	5	3.3	0.85	30	+0.05-0.1	±0.1	17 BARS	7/8	25
TYNY-533-150 <sub>3</sub>	5	3.3	0.85	30	+0.05-0.1	±0.1	17 BARS	7/8	150
TYNY-64-25 <sub>1</sub>	6	4	1	36	+0.05-0.1	±0.1	21 BARS	1	25
TYNY-64-150 <sub>1</sub>	6	4	1	36	+0.05-0.1	±0.1	21 BARS	1	150
TYNY-86-25 <sub>1</sub>	8	6	1	48	+0.05-0.1	±0.1	14 BARS	1 1/2	25
TYNY-86-150 <sub>1</sub>	8	6	1	48	+0.05-0.1	±0.1	14 BARS	1 1/2	150
TYNY-855-25 <sub>4</sub>	8	5.5	1.25	50	+0.05-0.1	±0.1	18 BARS	1 3/4	25
TYNY-855-150 <sub>4</sub>	8	5.5	1.25	50	+0.05-0.1	±0.1	18 BARS	1 3/4	150
TYNY-108-25 <sub>1</sub>	10	8	1	60	+0.05-0.1	±0.1	10 BARS	3	25
TYNY-108-150 <sub>1</sub>	10	8	1	60	+0.05-0.1	±0.1	10 BARS	3	150
TYNY-1075-25 <sub>4</sub>	10	7.5	1.25	70	+0.05-0.1	±0.1	14 BARS	3 3/4	25
TYNY-1075-150 <sub>4</sub>	10	7.5	1.25	70	+0.05-0.1	±0.1	14 BARS	3 3/4	150
TYNY-1210-25 <sub>1</sub>	12	10	1	75	+0.05-0.1	±0.1	8 BARS	4 1/2	25
TYNY-1210-150 <sub>1</sub>	12	10	1	75	+0.05-0.1	±0.1	8 BARS	4 1/2	150
TYNY-129-25 <sub>4</sub>	12	9	1.5	84	+0.05-0.1	±0.1	15 BARS	4 3/4	25
TYNY-129-150 <sub>4</sub>	12	9	1.5	84	+0.05-0.1	±0.1	15 BARS	4 3/4	150
TYNY-1412-25 <sub>2</sub>	14	12	1	98	+0.05-0.1	±0.1	6 BARS	5	25
TYNY-1411-25 <sub>4</sub>	14	11	1.5	100	+0.05-0.1	±0.1	13 BARS	6	25

**Note:** Specified minimum bend radius is for minimal tube flattening.

Standard color is natural translucent white. Color options are available, see opposite page for ordering suffixes.

**Ordering Example:** TYNY-86-150-R, 150 m of red tubing, 8" OD, 6" ID, 1" wall

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