

# 2 Pneumatic Tubing

## Pneumatic Tubing

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# Nylon Tubing

## 4212/4225 N2 Nylon Tubing



### Features

- Premium Quality Flexible Tubing
- High Dimensional Stability
- Low Moisture Absorption
- Chemicals Resistant
- UV, Ozone Resistant
- Wide Temperature Range: -40°F to 200°F (-40°C to 93°C)
- 250 Feet Coil Lengths - Standard
- Lightweight

### Applications

- Low-Pressure Hydraulic
- Chemical Transfer Service
- Pneumatic Systems

### Construction

- Extruded From Highest Quality Heat and Light Stabilized Nylon 11 Resin

| Part Number |           | Nominal O.D. |      | Nominal Wall Thickness |     | Nominal I.D. |     | Minimum Bend Radius |      | Minimum Burst Pressure @ 75°F (23.9°C) |     | Weight     |         |
|-------------|-----------|--------------|------|------------------------|-----|--------------|-----|---------------------|------|--|-----|------------|---------|
|             |           |              |      |                        |     |              |     |                     |      |  |     | lbs/100 ft | kg/100m |
| (black)     | (natural) | in           | mm   | in                     | mm  | in           | mm  | in                  | mm   | psi                                    | bar |            |         |
| 4212-216    | 4225-216  | 1/8          | 3.2  | .016                   | .41 | .093         | 2.4 | 1/2                 | 12.7 | 1,000                                  | 69  | 0.25       | 0.37    |
| 4212-223    | 4225-223  | 1/8          | 3.2  | .023                   | .58 | .079         | 2.1 | 3/8                 | 9.5  | 1,340                                  | 92  | 0.33       | 0.49    |
| 4212-231    | 4225-231  | 1/8          | 3.2  | .031                   | .79 | .063         | 1.6 | 1/4                 | 6.4  | 2,000                                  | 138 | 0.41       | 0.61    |
| 4212-233    | 4225-233  | 1/8          | 3.2  | .033                   | .84 | .059         | 1.5 | 1/4                 | 6.4  | 2,000                                  | 138 | 0.43       | 0.64    |
| 4212-325    | 4225-325  | 3/16         | 4.8  | .025                   | .63 | .137         | 3.5 | 5/8                 | 16   | 1,000                                  | 69  | 0.57       | 0.85    |
| 4212-346    | 4224-346  | 3/16         | 4.8  | .046                   | 1.2 | .095         | 2.4 | 7/16                | 11   | 2,000                                  | 138 | 0.92       | 1.37    |
| 4212-430    | 4225-430  | 1/4          | 6.4  | .030                   | .76 | .190         | 4.8 | 1                   | 25.4 | 930                                    | 64  | 0.93       | 1.38    |
| 4212-435    | 4225-435  | 1/4          | 6.4  | .035                   | .89 | .180         | 4.6 | 7/8                 | 22   | 1,000                                  | 69  | 1.06       | 1.58    |
| 4212-440    | 4225-440  | 1/4          | 6.4  | .040                   | 1.0 | .170         | 4.3 | 13/16               | 10.3 | 1,135                                  | 78  | 1.19       | 1.79    |
| 4212-462    | 4225-462  | 1/4          | 6.4  | .062                   | 1.6 | .126         | 3.2 | 1/2                 | 12.7 | 2,000                                  | 138 | 1.65       | 2.46    |
| 4212-530    | 4225-530  | 5/16         | 7.9  | .030                   | .76 | .252         | 6.4 | 1-1/2               | 38.1 | 660                                    | 46  | 1.20       | 1.79    |
| 4212-540    | 4225-540  | 5/16         | 7.9  | .040                   | 1.0 | .232         | 5.9 | 1-1/8               | 28   | 1,000                                  | 69  | 1.54       | 2.29    |
| 4212-577    | 4225-577  | 5/16         | 7.9  | .077                   | 2.0 | .158         | 4.0 | 1/2                 | 12.7 | 2,000                                  | 138 | 2.56       | 3.81    |
| 4212-650    | 4225-650  | 3/8          | 9.5  | .050                   | 1.3 | .275         | 7.0 | 1-1/8               | 28   | 1,000                                  | 69  | 2.30       | 3.42    |
| 4212-693    | 4225-693  | 3/8          | 9.5  | .093                   | 2.4 | .189         | 4.8 | 3/4                 | 19   | 2,000                                  | 138 | 3.71       | 5.52    |
| 4212-8124   | 4225-8124 | 1/2          | 12.7 | .124                   | 3.1 | .252         | 6.4 | 1                   | 25.4 | 2,000                                  | 138 | 6.59       | 9.81    |
| 4212-862    | 4225-862  | 1/2          | 12.7 | .062                   | 1.6 | .376         | 9.5 | 1-1/4               | 32   | 1,000                                  | 69  | 3.84       | 5.71    |

# 4242 Unplasticized Nylon Tubing



## Features

- Low Moisture Absorption
- Low Volumetric Expansion
- Excellent Resistance to Ultraviolet Light and Ozone
- Wide Temperature Range:  
-40°F to 200°F (-40°C to 93°C)

## Applications

- Low Pressure Hydraulic
- Pneumatic Systems
- Lubrication Systems

## Construction

- Unplasticized Heat & Light Stabilized Nylon
- Non-Conductive Compounds Also Available

| Part Number | Nominal O.D. |      | Nominal Wall Thickness |      | Nominal I.D. |      | Minimum Burst Pressure @75°F (23.9°C) |       | Weight     |          |
|-------------|--------------|------|------------------------|------|--------------|------|---------------------------------------|-------|------------|----------|
|             | in           | mm   | in                     | mm   | in           | mm   | psi                                   | bar   | lbs/100 ft | kg/100 m |
|             | 4242-020     | 1/8  | 3.2                    | .016 | 0.4          | .093 | 2.4                                   | 1,000 | 69         | 0.25     |
| 4242-022    | 1/8          | 3.2  | .023                   | 0.6  | .079         | 2.0  | 2,500                                 | 172   | 0.33       | 0.49     |
| 4242-025    | 5/32         | 4.0  | .032                   | 0.8  | .092         | 2.3  | 2,000                                 | 138   | 0.57       | 0.85     |
| 4242-030    | 3/16         | 4.7  | .044                   | 1.1  | .099         | 2.5  | 2,000                                 | 138   | 0.88       | 1.31     |
| 4242-040    | 1/4          | 6.4  | .040                   | 1.0  | .170         | 4.3  | 2,000                                 | 138   | 1.19       | 1.77     |
| 4242-045    | 1/4          | 6.4  | .050                   | 1.3  | .150         | 3.8  | 2,750                                 | 190   | 1.42       | 2.11     |
| 4242-050    | 5/16         | 7.9  | .059                   | 1.5  | .191         | 4.9  | 1,500                                 | 103   | 2.09       | 3.11     |
| 4242-051    | 5/16         | 7.9  | .062                   | 1.6  | .188         | 4.8  | 2,750                                 | 190   | 2.19       | 3.26     |
| 4242-052    | 5/16         | 7.9  | .040                   | 1.0  | .232         | 5.9  | 1,000                                 | 69    | 1.54       | 2.29     |
| 4242-060    | 3/8          | 9.5  | .062                   | 1.6  | .251         | 6.4  | 1,000                                 | 69    | 2.75       | 4.09     |
| 4242-062    | 3/8          | 9.5  | .079                   | 2.0  | .220         | 5.6  | 2,000                                 | 138   | 3.36       | 5.00     |
| 4242-070    | 7/16         | 11.1 | .062                   | 1.6  | .313         | 8.0  | 1,000                                 | 69    | 3.29       | 4.90     |
| 4242-080    | 1/2          | 12.7 | .062                   | 1.6  | .376         | 9.6  | 1,000                                 | 69    | 4.20       | 6.25     |