Nylobrade®
Clear Braid Reinforced PVC Hose
NSF-51 & NSF-61 Listed

NewAge Industries
Fluid Transfer Specialists®

ESOP Employee Owned for Your Benefit
Nylobrade®

Clear Braid Reinforced PVC Hose

- Open mesh polyester braiding permanently encapsulated in walls of clear, flexible PVC tubing
- Listed by the National Sanitation Foundation for food equipment materials (NSF-51) and potable water (NSF-61)
- Raw materials meet California Proposition 65 and are free of DEHP and BPA
- Non-toxic raw materials conform to USP Class VI and FDA standards
- Offers far higher pressure capabilities than unreinforced PVC tubing
- Mirror smooth interior permits outstanding flow characteristics
- Crystal clear for full visual flow*
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life
- REACH and RoHS compliant

Notes
NYLOBRADE is made from non-toxic raw materials that conform to Food and Drug Administration (FDA) standards for use in food contact applications. Its NSF listing makes NYLOBRADE a good choice for drinking water applications, those involving water at temperatures up to 60°F (140°F), and food processing applications.

NYLOBRADE is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalies have little effect, though if highly concentrated tend to make the hose less pliable. If chemical resistance is in question, in-plant tests are suggested.

Gasoline and oils will harden PVC over periods of intermittent use. In these applications, continuous use will slow the hardening process.

*NYLOBRADE HP (High Pressure) sizes 3/8” I.D. and up have a tighter braid pattern and therefore reduce the visual flow contact and increase the hose’s resistance to bending and flexing. Heavier walls on similar I.D.s will be more resistant to kinking.

Physical Properties**

| Hardness, Shore A | 80 |
| Tensile Strength, psi | 2500 |
| Elongation at Break, % | 300 |
| Brittle Temperature, °F | -50 |
| Maximum Operating Temperature, °F | 175 |
| Maximum Operating Temp. for NSF, °F | 140 |

**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

PART NO. | ID (IN.) | OD (IN.) | WALL (IN.) | WALL TYPE | STANDARD LENGTH (F.T.)†† | WORKING PSI AT 70°F | CALCULATED LBS. PER 100 FT.
--- | --- | --- | --- | --- | --- | --- | ---
1000076 | 1/8 | .315 | .095 | Std. | 100 | 465 | 3.00
1000230 | 3/16 | .394 | .103 | Std. | 100, 300, 500 | 315 | 5.06
1030309 | 1/4 | .435 | .093 | Thin | 100 | 316 | 5.35
1030307 | 1/4 | .296 | .102 | Std. | 100 | 300 | 6.03
1020061 | 1/4 | 1/2 | 1/8 | HP | 100 | 400 | 7.90
1000461 | 5/16 | 17/32 | 3/32 | Std. | 100 | 280 | 7.77
1030540 | 3/8 | .575 | .100 | Thin | 100 | 215 | 8.02
1000538 | 3/8 | .600 | .113 | Std. | 100, 500 | 230 | 9.26
1020075 | 3/8 | 5/8 | 1/8 | HP | 50, 100, 300 | 265 | 10.50
1030694 | 1/2 | .710 | .105 | Thin | 100 | 191 | 10.73
1000692 | 1/2 | .728 | .114 | Std. | 100, 300, 500 | 215 | 11.82
1020096 | 1/2 | .850 | .175 | HP | 100 | 258 | 20.00
1000846 | 5/8 | 29/32 | 9/64 | Std. | 100, 300 | 200 | 18.17
1000923 | 3/4 | 1.024 | .137 | Std. | 100, 300, 500 | 150 | 20.53
1020117 | 3/4 | 1-1/8 | 3/16 | HP | 100 | 233 | 30.00
1001154 | 1 | 1.299 | .150 | Std. | 100 | 130 | 29.03
1020005 | 1 | 1-3/8 | 3/16 | HP | 100 | 185 | 37.80
1001308 | 1-1/4 | 1.732 | .241 | Std. | 100, 300, 500 | 110 | 60.70
1020121 | 1-1/4 | 1.732 | .241 | HP | 100 | 150 | 60.70
1001385 | 1-1/2 | 1.929 | .215 | Std. | 100 | 70 | 62.12
1020019 | 1-1/2 | 1.950 | .225 | HP | 100 | 90 | 65.50
1001462 | 2 | 2-1/2 | 1/4 | Std. | 100 | 50 | 95.02
1020026 | 2 | 2-1/2 | 1/4 | HP | 100 | 133 | 95.02

†Std. = standard; HP = high pressure.
††Add length suffix to part number when ordering. Example: 100 ft. of 1/8” I.D. x .315” O.D. is part number 100 0076-100.

Working pressures are calculated from burst testing using a 3:1 safety factor. Application testing is recommended. BOLD indicates the critical dimension for fittings application.

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