

Nylobrade®

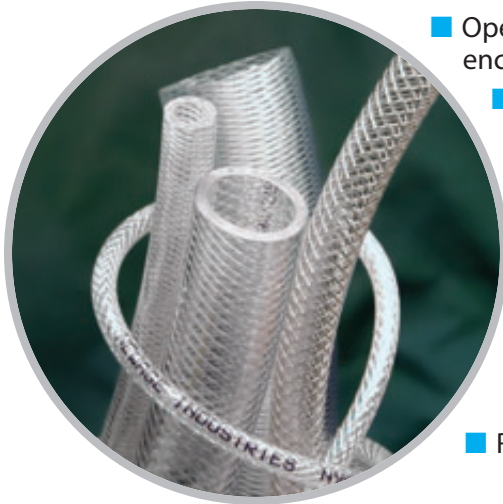
Clear Braid Reinforced PVC Hose
NSF-51 & NSF-61 Listed



ESOP Employee Owned
for Your Benefit

Fluid Transfer Specialists®

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°C (140°F), and food processing applications.

NYLOBRADE is generally unaffected by most oxidizing and reducing agents. Diluted acids and alkalis 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 ±5	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 (FT.)††	WORKING PSI AT 70°F	CALCULATED LBS. PER 100 FT.
100 0076	1/8	.315	.095	Std.	100	465	3.00
100 0230	3/16	.394	.103	Std.	100, 300, 500	315	5.06
103 0309	1/4	.435	.093	Thin	100	316	5.35
100 0307	1/4	29/64	.102	Std.	100	300	6.03
102 0061	1/4	1/2	1/8	HP	100	400	7.90
100 0461	5/16	17/32	3/32	Std.	100	280	7.77
103 0540	3/8	.575	.100	Thin	100	215	8.02
100 0538	3/8	.600	.113	Std.	100, 500	230	9.26
102 0075	3/8	5/8	1/8	HP	50, 100, 300	265	10.50
103 0694	1/2	.710	.105	Thin	100	191	10.73
100 0692	1/2	.728	.114	Std.	100, 300, 500	215	11.82
102 0096	1/2	.850	.175	HP	100	258	20.00
100 0846	5/8	29/32	9/64	Std.	100, 300	200	18.17
100 0923	3/4	1.024	.137	Std.	100, 300, 500	150	20.53
102 0117	3/4	1-1/8	3/16	HP	100	233	30.00
100 1154	1	1.299	.150	Std.	100	130	29.03
102 0005	1	1-3/8	3/16	HP	100	185	37.80
100 1308	1-1/4	1.732	.241	Std.	100	110	60.70
102 0012	1-1/4	1.732	.241	HP	100	150	60.70
100 1385	1-1/2	1.929	.215	Std.	100	70	62.12
102 0019	1-1/2	1.950	.225	HP	100	90	65.50
100 1462	2	2-1/2	1/4	Std.	100	50	95.02
102 0026	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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Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Cam operated couplings
- Oetiker® ear type clamps
- Kwik Clamp™ hose clamps
- Worm gear clamps

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