

# Nylobrade®

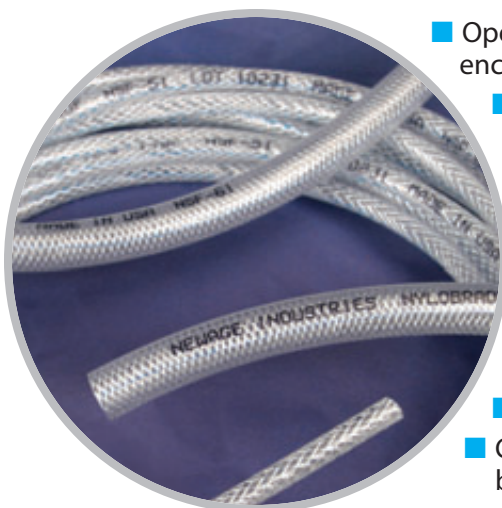
Clear Braid Reinforced PVC Hose  
NSF-51 & NSF-61 Certified



**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
- Certified by the National Sanitation Foundation for food equipment materials (NSF-51) and potable water (NSF-61)
- PVC compound is free of DEHP and other plasticizers
- Compound meets California Proposition 65; does not contain any known cancer-causing chemicals as listed by the state of California
- Non-toxic ingredients 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 compound provides full visual flow\*
- Corrosion and abrasion resistant with flexibility similar to rubber but with much longer life



### Notes

NYLOBRADE is made from non-toxic ingredients selected from those sanctioned by the Food and Drug Administration (FDA) for use in food contact applications. Its NSF certification 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	BURST PSI AT 70°F	LBS. PER 100 FT.
100 0076	1/8	.315	.095	Std.	100, 500	465	1395	3.53
100 0230	3/16	.394	.103	Std.	50, 100, 500	315	945	5.06
103 0309	1/4	.435	.093	Thin	100	316	948	5.35
100 0307	1/4	29/64	.102	Std.	50, 100, 500	300	900	6.03
102 0061	1/4	1/2	1/8	HP	50, 100, 500	400	1200	6.03
100 0461	5/16	17/32	3/32	Std.	50, 100, 500	280	840	7.77
103 0540	3/8	.575	.100	Thin	100	215	645	8.02
100 0538	3/8	.600	.113	Std.	50, 100, 500	230	690	9.26
102 0075	3/8	5/8	1/8	HP	50, 100, 500	265	795	9.26
103 0694	1/2	.710	.105	Thin	100	191	573	10.73
100 0692	1/2	.728	.114	Std.	50, 100, 200, 500	215	645	11.82
102 0096	1/2	.850	.175	HP	50, 100, 500	258	774	20.00
100 0846	5/8	29/32	9/64	Std.	50, 100, 200, 300, 500	200	600	18.17
100 0923	3/4	1.024	.137	Std.	50, 100, 300, 500	150	450	20.53
102 0117	3/4	1-1/8	3/16	HP	50, 100, 200, 300	233	699	20.53
100 1154	1	1.299	.150	Std.	50, 100, 300	130	390	29.03
102 0005	1	1-3/8	3/16	HP	50, 100	185	555	29.03
100 1308	1-1/4	1.732	.241	Std.	50, 100	110	330	60.70
102 0012	1-1/4	1.732	.241	HP	50, 100	150	450	60.70
100 1385	1-1/2	1.929	.215	Std.	50, 100	70	210	62.12
102 0019	1-1/2	1.950	.225	HP	50, 100	90	270	62.12
100 1462	2	2-1/2	1/4	Std.	50, 100	50	150	95.02
102 0026	2	2-1/2	1/4	HP	50, 100	133	399	95.02

†Std. = standard; HP = high pressure.

††Add length suffix to part number when ordering. Example: 500 ft. of 1/8" I.D. x .315" O.D. is part number 100 0076-500. **BOLD** indicates the critical dimension for fittings application.



### Custom Services

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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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