



## FB80-BR-PVC

## Clear Braid Reinforced PVC Hose



### Product Description

Grayline FB80-BR-PVC hose is made from an open mesh polyester braid that is encapsulated by clear flexible PVC. The National Sanitation Foundation sanctions the materials in this product for use in food processing (NSF-51) and potable water (NSF-61) applications. Clear PVC compound has great visual clarity, however braiding reduces visibility, especially for "high pressure" wall types (see chart below).

*Standard Packaging: Coils.*

*Standard Color: Clear*

*Custom Colors and Sizes Available Upon Request*

*Custom Services: Hardness, Overbraid, Heat-Bonding, Heat-Form, Cut Length*

### Specifications

- FDA Title 21 (Material Only)
- NSF-51 & NSF-61 (Material Only)
- USP Class VI (Material Only)
- EU Directive 2000/53/EC (ELV)
- EU Directive 2011/65/EU (RoHS2)

### Features

- Operating Temperature is -45°C to 80°C
- Corrosion and Abrasion Resistant
- Higher Pressure Capabilities
- Low Temperature Flexibility
- Lead Free
- Generally unaffected by most oxidizing and reducing agents.
- Outstanding Flow Characteristics (Smooth ID)

PROPERTY	TYPICAL VALUE
Durometer Hardness, Shore A (15 Seconds)	80
Tensile Strength (psi)	2,500
Elongation (%)	300
Brittleness Temperature, Pass °C	-45

### Standard Sizes

I.D. (Inches)	WALL (Inches)	O.D. (Inches)	Wall Type	Standard Reel Quantity (FT)	Max. Working PSI at 70°F	Burst PSI at 70°F	Weight (LB/100FT)
0.125	0.095	0.315	Standard	100, 500	465	1395	3.53
0.188	0.103	0.394	Standard	50, 100, 500	315	945	5.06
0.250	0.093	0.435	Thin	100	316	948	5.35
0.250	0.102	0.453	Standard	50, 100, 500	300	900	6.03
0.250	0.125	0.500	High Pressure	50, 100, 500	400	1200	6.03
0.313	0.093	0.531	Standard	50, 100, 500	280	840	7.77
0.375	0.100	0.575	Thin	100	215	645	8.02
0.375	0.113	0.600	Standard	50, 100, 500	230	690	9.26
0.375	0.125	0.625	High Pressure	50, 100, 500	265	795	9.26
0.500	0.105	0.710	Thin	100	191	573	10.73
0.500	0.114	0.728	Standard	50, 100, 200, 500	215	645	11.82
0.500	0.175	0.850	High Pressure	50, 100, 500	258	774	20.00
0.625	0.140	0.906	Standard	50, 100, 200, 300, 500	200	600	18.17
0.750	0.137	1.024	Standard	50, 100, 300, 500	150	450	20.53
0.750	0.188	1.125	High Pressure	50, 100, 200, 300	233	699	20.53
1.000	0.150	1.299	Standard	50, 100, 300	130	390	29.03
1.000	0.188	1.375	High Pressure	50, 100	185	555	29.03
1.250	0.241	1.732	Standard	50, 100	110	330	60.70
1.250	0.241	1.732	High Pressure	50, 100	150	450	60.70
1.500	0.215	1.929	Standard	50, 100	70	210	62.12
1.500	0.225	1.950	High Pressure	50, 100	90	270	62.12
2.000	0.250	2.500	Standard	50, 100	50	150	95.02
2.000	0.250	2.500	High Pressure	50, 100	133	399	95.02

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