



FB85-BR-TPU Clear Braid Reinforced Polyurethane Hose



Product Description

Grayline FB85-BR-TPU is a flexible, polyester braid reinforced, ether-based polyurethane hose that is suitable for higher pressure, repeated flexing, heavy vibration, and high abrasion applications. Its standard ether formulation offers hydrolytic stability, resisting attacks from moisture and fungi. It is also resistant to weathering, tearing, impact, radiation exposure, oils, greases, and fuels. The U.S. Food and Drug Administration sanctions the polyurethane material used in the clear version of this product for use in food contact applications. Ester-based formulation is available upon request.

Standard Packaging: Coils.

Standard Color: Clear

Custom Colors and Sizes Available Upon Request

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

Specifications

- FDA Title 21 (Material Only)
- NSF Standard 61 (Clear, Material Only)
- EU Directive 2000/53/EC (ELV)
- EU Directive 2011/65/EU (RoHS2)

Features

- Operating Temperature is -68°C to 80°C
- Higher Pressure Capabilities
- Low Temperature Flexibility
- Plasticizer-Free
- UV-Resistant.
- Lead Free
- Non-Toxic

PROPERTY	TYPICAL VALUE
Durometer Hardness, Shore A (15 Seconds)	85
Tensile Strength (psi)	5,500
Elongation (%)	580
Brittleness Temperature, Pass °C	-68

Standard Sizes

I.D. (Inches)	WALL (Inches)	O.D. (Inches)	Standard Coil Length (FT)	Max. Working Pressure at 70°F (PSI)	Burst Pressure at 70°F (PSI)
0.250	0.110	0.470	50, 100	250	1000
0.375	0.128	0.630	50, 100	190	760
0.500	0.125	0.750	25, 50, 100	150	600
0.625	0.141	0.905	25, 50, 100	130	520
0.750	0.138	1.025	25, 50, 100	100	400
1.000	0.150	1.300	25, 50, 100	80	320
1.250	0.230	1.710	25, 50, 100	75	300
1.500	0.215	1.930	25, 50, 100	50	200
2.000	0.250	2.500	25, 50, 100	40	160

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