

EXCELON BRAID PRESSURE TUBING

Reinforced, braided hose



Excelon Braid Pressure Tubing features open mesh polyester braiding between clear PVC walls to add superior strength while allowing for easy visual flow monitoring and maintaining flexibility. The smooth, inner bore will not trap particles that can promote bacteria growth.

Made of non-toxic, FDA-sanctioned material, Excelon Braid Pressure Tubing does not affect the taste or smell of transfer fluids and gases and is suitable for use in a variety of applications, including medical, food, and beverage.

PHYSICAL PROPERTIES

Properties**	PVC BRAID
Hardness, Shore A	68
Specific Gravity	1.20
Tensile Strength, psi	2000
Elongation at Break, %	400
Max. Operating Temp., °F	165
Brittle Temperature, °F	-40

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



- Equivalent to Tygon® B-44-4X-1B
- Handles four times the pressure of non-reinforced tubing
- Flexible alternative to rigid piping systems
- Compatible with virtually all non-solvent chemicals
- Not affected by reducing and oxidizing agents
- Easy to clean; smooth inner bore resists bacteria growth
- Meets FDA, 3-A and NSF criteria for contact with food and beverage products
- Clear material permits visual flow monitoring and inspection
- Batch consistency

Thermo
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EXCELON BRAID PRESSURE TUBING

BRAID PRESSURE TUBING SIZING CHART

ITEM NO.	SIZE NO.	ID (INCHES)	OD (INCHES)	WALL (INCHES)	LENGTH (FEET)	MINIMUM BEND RADIUS (INCHES)	MAX. WKG PRESSURE PSI @ 73 °F
4440705BRD	7BRD50	1/4	7/16	3/32	50	1 1/2	250
4441405BRD	14BRD50	3/8	5/8	1/8	50	1 1/8	170
4442005BRD	20BRD50	1/2	3/4	1/8	50	2 1/8	200
4442605BRD	26BRD50	5/8	0.906	0.141	50	2 3/8	165
4443105BRD	31BRD50	3/4	1.024	0.137	50	3 1/4	145
4443705BRD	37BRD50	1	1 3/8	3/16	50	3 3/4	100
4444105BRD	41BRD50	1 1/2	1.950	0.225	50	5 7/8	75

**Tolerances for dimensional sizes above in accordance with generally accepted industry standards.

**A number of environmental factors (including, but not limited to temperature, chemical attack, stress, vibration and expansion over fittings) will reduce the tubing's ability to withstand the pressures noted. Prior to specifying this tubing for use, it is the end user's responsibility to conduct the necessary tests to determine fitness for use in a specific application.



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