EXCELTHANE

Flexible Polyurethane Tubing

Excelthane tubing is the answer when you need flexible polyurethane tubing that has high tear strength and superior abrasion resistance. Add in its clarity and ability to withstand extreme temperatures from -100°F to 200°F, and you've got an excellent alternative to rubber and plastic materials. Made of a tough, ester-based polyurethane, Excelthane contains no plasticizer that can cause flow contamination or tube hardening.

Excelthane polyutethane tubing meets FDA criteria for oils, greases, fuels and many chemicals, making it ideal for a variety of applications, from transfer of abrasive products to pneumatic lines and cable jacketing. And, it meets FDA criteria for use in food and beverage applications. The combination of product flexibility and manufacturing to tight tolerances allows the Excelthane tubing to attach with ease to standard industry fittings.

PHYSICAL PROPERTIES

Properties**	EXCELTHANE
Hardness, Shore A	82
Specific Gravity	1.20
Tensile Strength, psi	6050
Elongation at Break, %	500
Max. Operating Temp., °F	200
Brittle Temperature, °F	-100

**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 Tygothane® C-210-A
- Manufactured to tight tolerances, allows worry-free attachment to barbed fittings without use of clamps
- Resistant to weathering, tearing, impact, abrasion and radiation
- Contains NO plasticizer that can cause contamination or hardening
- Exceptional resistance to oils, greases, fuels and chemicals
- Withstands sub-zero temperatures
- Meets FDA requirements for food and beverage use
- Batch consistency

For use in:

- Food processing
- Coolant recovery
- Pneumatic lines
- Lubrication and degreaser dispensing
- Abrasive product transfer
- Cable jacketing

Thermo
1268 Valley Road, Stirling, NJ 07980-0188
p: (888)554-6400 / (908) 561-3000
f: (800) 874-3291 / (908) 753-6749
www.excelon.com

EXCELTHANE 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
77901710	S1A	1/16	1/8	1/32	100'	3/16	70
7790210	S2	1/8	3/16	1/32	100'	1/2	45
770210	2	1/8	1/4	1/16	100'	5/16	74
770310	3	3/16	5/16	1/16	100'	5/8	56
7790410	S4	3/16	1/4	1/32	100'	1	34
770410	4	3/16	3/8	3/32	100'	7/16	70
770510	5	1/4	5/16	1/32	100'	1 9/16	28
770610	6	1/4	3/8	1/16	100'	15/16	42
770710	7	1/4	7/16	3/32	100'	11/16	58
770810	8	1/4	1/2	1/8	100'	9/16	70
770910	9	5/16	7/16	1/16	100'	1 15/16	36
771210	12	3/8	1/2	1/16	100'	1 3/4	34
771310	13	3/8	9/16	3/32	100'	1 5/16	45
771410	14	3/8	5/8	1/8	100'	1 1/16	54
771610	16	7/16	5/8	3/32	100'	1 11/16	40
771710	17	7/16	11/16	1/8	100'	1 3/8	49
771810	18	1/2	5/8	1/16	100'	2 7/8	26
771910	19	1/2	11/16	3/32	100'	2 1/8	36
772010	20	1/2	3/4	1/8	100'	1 3/4	46
772410	24	5/8	3/4	1/16	100'	4 1/8	24
772510	25	5/8	13/16	3/32	100'	3	32
772610	26	5/8	7/8	1/8	100'	2 3/8	38
772910	29	3/4	15/16	3/32	100'	4	26
773110	31	3/4	1	1/8	100'	3 1/4	33
773310	33	7/8	1 1/8	1/8	100'	4 1/8	30
773510	35	1	1 1/4	1/8	100'	5 1/8	28

**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.

Thermo
1268 Valley Road, Stirling, NJ 07980-0188
p: (888)554-6400 / (908) 561-3000
f: (800) 874-3291 / (908) 753-6749
www.excelon.com