



#### APPLICATIONS:

FOOD PROCESSING COOLANT  
RECOVERY PNEUMATIC LINES  
LUBRICATION AND DEGREASER  
DISPENSING  
ABRASIVE PRODUCT TRANSFER  
CABLE JACKETING

# Flexible Polyurethane Tubing

- Alternative to Tygothane® C-210-A
- Manufactured to tight tolerances, allows worry-free attachment to barbed fittings without the 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
- Batch consistency
- Offered in Ether based and Ester based

**Excelthane** is offered in both Ester based and Ether based, and contains no plasticizer that can cause flow contamination or tube hardening. 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.

Excelthane Polyurethane 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. Additionally, it meets FDA criteria for use in food and beverage applications. Excelthane Ester based polyurethane has excellent dielectric strength, fuel resistance, and tear resistance, yet when needing to withstand moisture our Excelthane Ether based polyurethane is the preferred option.

## PHYSICAL PROPERTIES

PROPERTIES	ETHER POLYURETHANE	ESTER POLYURETHANE
Hardness, Shore A	85	85
Specific Gravity	1.12	1.20
Tensile Strength	5500 psi	5500 psi
Elongation at Break	440%	500%
Max. Operating Temp.	176°F	185°F
Brittle Temperature	-51°F	-100°F

*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.*

Samples available upon request.

Custom sizes, lengths, and colors are available upon request.

**REGULATORY COMPLIANCE:** REACH, RoHS, and Prop 65 compliant.

Excelon®  
Excelthane



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**EXCELTHANE TUBING SIZING CHART**

ESTER ITEM NO.	ETHER ITEM NO.	ID	OD	WALL	LENGTH	MINIMUM BEND RADIUS
77901710	78901710	.062	.125	.031	100'	.187
7790210	7890210	.125	.187	.031	100'	.500
770210	780210	.125	.250	.062	100'	.312
770310	780310	.187	.312	.062	100'	.625
7790410	7890410	.187	.250	.031	100'	1
770410	780410	.187	.375	.093	100'	.437
770510	780510	.250	.312	.031	100'	1.562
770610	780610	.250	.375	.062	100'	.937
770710	780710	.250	.437	.093	100'	.687
770810	780810	.250	.500	.125	100'	.562
770910	780910	.312	.437	.062	100'	1.937
771210	781210	.375	.500	.062	100'	1.750
771310	781310	.375	.562	.093	100'	1.312
771410	781410	.375	.625	.125	100'	1.062
771610	781610	.437	.625	.093	100'	1.687
771710	781710	.437	.687	.125	100'	1.375
771810	781810	.500	.625	.062	100'	2.875
771910	781910	.500	.687	.093	100'	2.125
772010	782010	.500	.750	.125	100'	1.75
772410	782410	.625	.750	.062	100'	4.125
772510	782510	.625	.812	.093	100'	3
772610	782610	.625	.875	.125	100'	2.375
772910	782910	.750	.937	.093	100'	4
773110	783110	.750	1	.125	100'	3.25
773310	783310	.875	1.125	.125	100'	4.125
773510	783510	1	1.250	.125	100'	5.125

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