

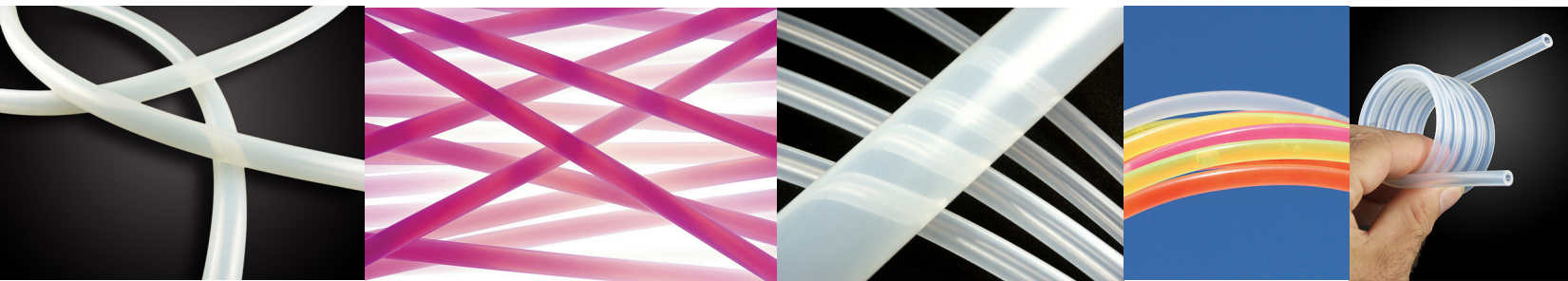


TBL

LDPE/LLDPE™

Instrument Tubing

THIRTEEN COLORS IN STOCK



Low-Density Polyethylene (LDPE) and **Linear Low-Density Polyethylene (LLDPE) tubing** are used in a broad array of applications including cable jacketing, chemical conveyance, pneumatic and air lines, beverage/ food processing, and **potable water** systems.

Both have excellent flex life, but our LLDPE tubing is recommended whenever exceptional environmental stress-cracking resistance (**ESCR**) is required and for applications where **push-on fittings** are used. Our LDPE is slightly more flexible than our LLDPE.

Our LDPE and LLDPE materials are **FDA approved** under **FDA 21 CFR 177.1520** and **FDA 21 CFR 176.170** for **food contact, drugs, and cosmetics**. Also, they are compliant with **3A sanitary standards** and **NSF 51**.

Color coding is commonly used to identify various chemical or air lines within a facility or process. However, most manufacturers offer less than 6 colors, limiting the user's choices. In our constant effort to differentiate ourselves from the competition, we offer **thirteen colors**. In addition, if you have a custom color we can probably run it.



LDPE/LLDPE™
Instrument Tubing

TBL Plastics, LLC
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LDPE/LLDPE™ Instrument Tubing

Sizing Chart

Part Number	ID	OD	Wall	Working Pressure (LLDPE) @72F	Working Pressure (LDPE) @ 72F	STD. Length
*LDPE-125X250**100	1/8"	1/4"	.062"	216 psi	180 psi	100'
*LDPE-125X250**500	1/8"	1/4"	.062"	216 psi	180 psi	500'
*LDPE-125X250**1000	1/8"	1/4"	.062"	216 psi	180 psi	1000'
*LDPE-170X250**100	1/8"	1/4"	.040"	162 psi	135 psi	100'
*LDPE-170X250**500	1/8"	1/4"	.040"	162 psi	135 psi	500'
*LDPE-170X250**1000	1/8"	1/4"	.040"	162 psi	135 psi	1000'
*LDPE-187X312**100	3/16"	5/16"	.062"	168 psi	140 psi	100'
*LDPE-187X312**250	3/16"	5/16"	.062"	168 psi	140 psi	250'
*LDPE-187X312**500	3/16"	5/16"	.062"	168 psi	140 psi	500'
*LDPE-232X312**100	.232	5/16"	.040"	108 psi	90 psi	100'
*LDPE-232X312**500	.232	5/16"	.040"	108 psi	90 psi	500'
*LDPE-232X312**1000	.232	5/16"	.040"	108 psi	90 psi	1000'
*LDPE-250X375**100	1/4"	3/8"	.062"	144 psi	120 psi	100'
*LDPE-250X375**500	1/4"	3/8"	.062"	144 psi	120 psi	500'
*LDPE-250X375**1000	1/4"	3/8"	.062"	144 psi	120 psi	1000'
*LDPE-375X500**100	3/8"	1/2"	.062"	108 psi	90 psi	100'
*LDPE-375X500**500	3/8"	1/2"	.062"	108 psi	90 psi	500'
*LDPE-375X500**1000	3/8"	1/2"	.062"	108 psi	90 psi	1000'
*LDPE-500X625**50	1/2"	5/8"	.062"	84 psi	70 psi	50'
*LDPE-500X625**100	1/2"	5/8"	.062"	84 psi	70 psi	100'
*LDPE-500X625**500	1/2"	5/8"	.062"	84 psi	70 psi	500'
*LDPE-625X750**50	5/8"	3/4"	.062"	72 psi	60 psi	50'
*LDPE-625X750**100	5/8"	3/4"	.062"	72 psi	60 psi	100'
*LDPE-625X750**250	5/8"	3/4"	.062"	72 psi	60 psi	250'
*LDPE-625X875**50	5/8"	7/8"	.062"	170 psi	142 psi	50'
*LDPE-625X875**100	5/8"	7/8"	.062"	170 psi	142 psi	100'
*LDPE-625X875**250	5/8"	7/8"	.062"	170 psi	142 psi	250'
*LDPE-750X1000**50	3/4"	1"	.125"	108 psi	90 psi	50'

Sizing Chart continued on next page

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Sizing Chart (cont'd)

Part Number	ID	OD	WALL	Work. Press. (LLDPE) @72F	Working Pressure @72F	Std. Length
*LDPE-750X1000**250PS	3/4"	1"	.125"	108 psi	90 psi	100'
*LDPE-875X1000**50C	7/8"	1"	.062"	54 psi	45 psi	50'
*LDPE-875X1000**100C	7/8"	1"	.062"	54 psi	45 psi	100'
*LDPE-1000X1250**50C	1"	1.25"	.125"	86 psi	72 psi	50'

Replace * with "L" for LLDPE

Replace ** with the following color specifications: BL=Blue BK=Black YL=Yellow WH=White RD=Red GR=Green NN=Natural PL=Purple OR=Orange

PK=Pink BR=Brown GD=Gold TK=Turquoise

Working Pressure based on 4:1 burst

Physical Properties

Properties, Units	Test Method	Value
LDPE	ASTM D1505	.918
Specific Gravity	ASTM D2240	50
Hardness, Shore D	ASTM D638	1700 (11.7)
Tensile Strength at Yield, psi (Mpa)	ASTM D638	550%
Tensile Elongation at Break, %	ASTM D790	30,000 (200)
Flexural Modulus, psi (Mpa)	ASTM D746	-93 (-69)
Brittleness Temp., °F (°C)	ASTM D1525	184 (84)
LLDPE		
Specific Gravity	ASTM D792	0.921
Hardness, Shore D	ASTM D2240	51
Tensile Strength at Break, psi (Mpa)	ASTM D638	2170 (15.0)
Tensile Elongation at Break, %	ASTM D638	700%
Flexural Modulus, psi (Mpa)	ASTM D790	40,000 (276)
Brittleness Temp., °F (°C)	ASTM D746A	-43.6 (-42)
Environmental-Stress-Cracking Resistance (ESCR) F50, hours	ASTM D1693	1000



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Applications

Cable Jacketing
Potable Water
Environmental Monitoring Equipment (air)
Chemical Transfer
Beverage/ Food Processing

Packaging

Continuous Coils
Pre-cut lengths
Crimped ends

Sterilization

Ethylene Oxide (ETO)

Benefits

Low Gas and Moisture Permeability
No Plasticizers
Photo Opaque
Good Flexibility

Certifications

CFR Title 21 Section 177.1550
NSF 51 Compliant
Complies With 3A Sanitary Standards



NAUTICO™

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