

Tygon[®] S3[™] E-LFL Tubing

Long Flexible Life Tubing

Compared to other clear tubing, the Tygon[®] S3[™] E-LFL tubing offers longer pump life at 0 psi as well as at back pressure up to 25 psi during peristaltic pump operations. Because of its long flex life, the tubing is able to reduce production downtime due to pump tubing failure in laboratory applications.

The reduction of particle spallation eliminates the need for frequent downstream filter replacements and lessens the risk of sensitive-fluid contamination. The tubing is manufactured with non-DEHP bio-based plasticizers which increase pump performance while reducing environmental impact. The tubing is also resistant to gas permeation compared to silicone, helping to protect your sensitive fluids from oxidation or adulteration.

Materials

Thermoplastic Elastomer (TPE)

- Good chemical resistance

TPE compounds based on SBS and/or SEBS exhibit good resistance to water and various solutions. However, some degradation in the compounds can be seen at long-term exposure to organic solvents, oils, and fuels.



CERTIFICATION

Cole-Parmer will provide a certificate of compliance FREE at your request where applicable.

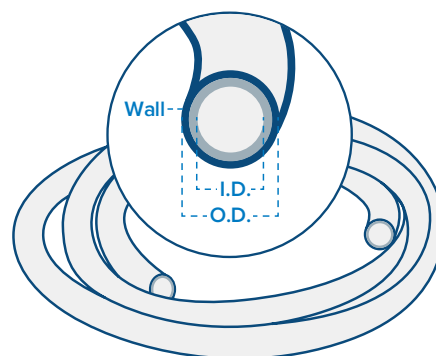
APPLICATIONS

- A wide range of liquid transfer in labs, surfactant delivery, food and cosmetic processing, bioprocessing, food dispensing, and shear-sensitive fluid transfer

FEATURES/BENEFITS

- Extremely low particle spallation
- Long flex life—reduces downtime
- Suitable for high purity applications
- Meets USP Class VI, NSF-51, and FDA criteria

TYGON[®] S3[™] E-LFL TUBING




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Germany	+49 (0) 9377 92030
India	+1.800.266.1244
Italy	+39.02.84349215
UK	+44 (0) 1480.272279
All others	+1.847.549.7600

Specification and Ordering Table

Dimensions: in. (mm)			Max pressure: PSI (bar)	Item number	Reel length (ft)
Tubing ID	Tubing OD	Wall			
1/16"	3/16"	1/16" (1.6)	50 (3.5)	50113-55	25
1/8"	1/4"	1/16" (1.6)	34 (2.3)	50113-56	25
3/16"	5/16"	1/16" (1.6)	25 (1.7)	50113-57	25
1/4"	3/8"	1/16" (1.6)	20 (1.4)	50113-58	25
1/4"	1/2"	1/8" (3.2)	35 (2.4)	50113-59	25
5/16"	7/16"	1/16" (1.6)	16 (1.1)	50113-60	25
3/8"	5/8"	1/8" (3.2)	25 (1.7)	50113-61	25
1/2"	3/4"	1/8" (3.2)	20 (1.4)	50113-62	25
3/4"	1-1/4"	1/4" (6.4)	24 (1.7)	50113-63	10
1"	1-3/8"	3/16" (4.8)	15 (1.0)	50113-64	10



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