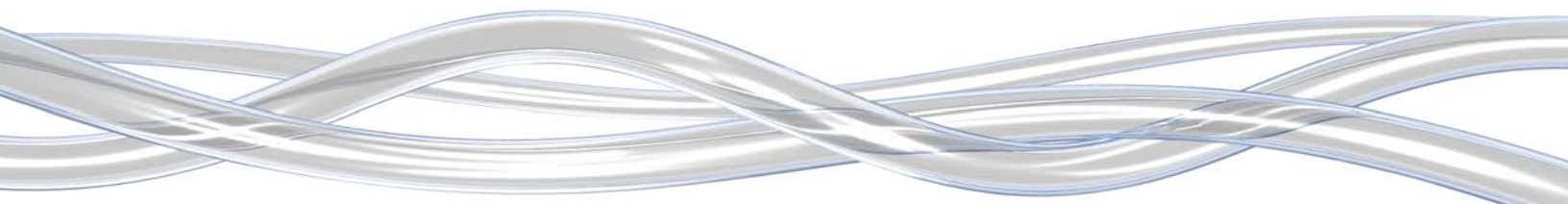


TPE

Thermoplastic Elastomer Tubing

A new formulation of TPE (thermoplastic elastomer) tubing has been developed for fluid transfer in the biopharmaceutical industry: AdvantaFlex. AdvantaFlex addresses the need for a flexible, translucent, sterilizable, moldable, heat sealable, and weldable biopharmaceutical tubing for fluid processing. AdvantaFlex maintains its physical properties following sterilization processes, resists kinking, remains translucent for visible product flow, and does not become gummy. Additionally, the unique properties of AdvantaFlex help it outperform similar tubing in peristaltic pumps.



Features

- Excellent life in peristaltic pumps
- Sterile, weldable, and heat sealable
- Made from FDA-approved ingredients
- Excellent low absorption and adsorption characteristics as compared to silicone
- Certified free of silicone oils and animal-derived ingredients
- Sterilizable by autoclave or gamma radiation - available with validated sterility assurance of 10⁻⁶ log reduction per ISO 11137 method VDmax
- Meets various ISO and USP standards, including Class VI
- Meets European Pharmacopoeia 3.2.2.1 standards
- Low permeability as compared to silicone
- Smooth interior for excellent flow and performance
- Translucent for fluid flow visibility
- Excellent tubing component for single use systems
- Furnished double bagged in 50 ft. coils
- Documented lot traceable with identification on bags
- Documented quality control
- Single resin validation - no need to graft to other tubing materials like silicone for media filling and sampling that involves peristaltic pumps; helps eliminate operator errors
- Chemical Characterization of Materials per ISO - "Extractables" test portfolio available upon request

For more information and samples, please visit www.nordsonmedical.com

Thermoplastic Elastomer Tubing

Thermoplastic Elastomer Tubing

Part No.	I.D.			Wall			O.D.			Working Pressure at 70° F (21.1° C)	
	(in.)	(mm.)	(fra.)	(in.)	(mm.)	(fra.)	(in.)	(mm.)	(fra.)	(in.)	(mm.)
AF7500077	.125	3.18	1/8	.063	1.59	1/16	.250	6.35	1/4	30	2.1
AF7500155	.188	4.76	3/16	.063	1.59	1/16	.313	7.94	5/16	23	1.6
AF7500311	.250	6.35	1/4	.094	2.38	3/32	.438	11.11	7/16	23	1.6
AF7500506	.375	9.52	3/8	.125	3.18	1/8	.625	15.88	5/8	24	1.6
AF7500584	.500	12.70	1/2	.125	3.18	1/8	.750	19.05	3/4	22	1.5
AF7500753	.750	19.05	3/4	.125	3.18	1/8	1.000	25.40	1	17	1.2

Sold by standard coil lengths of 50 feet only. Coils are supplied double bagged in heat-sealed polybags and bulk packed.

Applications

Sterile filling
 Vaccine production
 Pharmaceutical sampling and delivery systems
 Peristaltic pump transfer
 Single-use systems
 Bioreactor processes
 Cell media, harvesting, and fermentation
 Pharmaceutical production and processing
 High purity water transfer
 Filtration

Physical Properties

Specific Gravity .89
 Hardness, Shore A ±5 65
 Ultimate Tensile Strength, PSI 2167
 Ultimate Elongation, % 948
 Tensile Modulus at 100%, PSI 364
 Tear Strength, Die B, PPI 350
 Compression Set, Method B, 22 hours at 23° C at 25% deflection, % 9.9
 Max. Operating Temperature, °F 275
 Brittle Temperature, °F -88

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IN-STOCK

Components & Tools



Experts in Medical Device Design, Manufacturing & Component Technologies

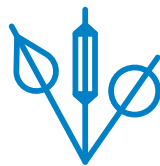
Browse our online store, with more than 7,000 stock components and technologies, most ready to ship within 24 hours.



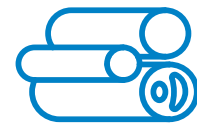
Components & Technologies



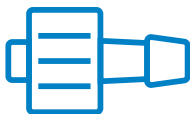
Catheters & Cannulae



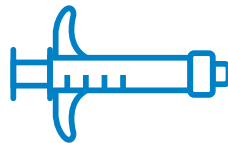
Medical Balloons



Medical Tubing



Fluid Management Components



Biomaterial Delivery Devices



Nitinol Components