

Suprene®

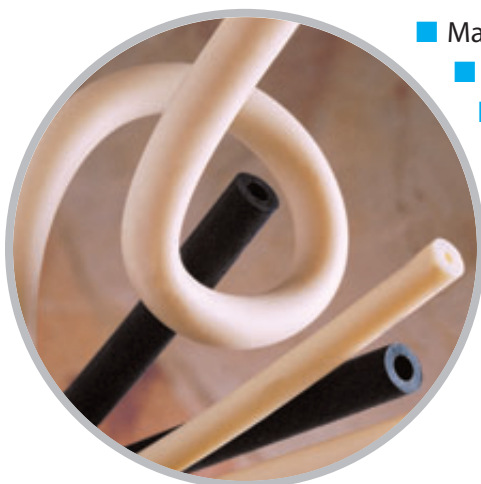
Thermoplastic Rubber Tubing



ESOP Employee Owned
for Your Benefit

Fluid Transfer Specialists®

TPR Tubing



- Made of first-quality, polypropylene-based, thermoplastic rubber (TPR)
- Outstanding compression characteristics and toughness for peristaltic pump uses
- Available in both FDA and industrial grades
- Compound used in Natural FDA 80A tubing meets National Sanitation Foundation requirements for food equipment products (NSF-51)
- Material meets UL94 HB burn rating



SUPRENE – Natural FDA 64A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
460 0246	1/8	1/4	1/16	50	1.55
460 0414	3/16	5/16	1/16	50	2.06
460 0582	1/4	3/8	1/16	50	1.15
460 0638	1/4	1/2	1/8	50	6.19
460 0694	5/16	7/16	1/16	50	3.09
460 0862	3/8	1/2	1/16	50	3.61
460 0974	3/8	5/8	1/8	50	8.26
460 1198	1/2	5/8	1/16	50	4.65
460 1310	1/2	3/4	1/8	50	10.32
460 1646	5/8	7/8	1/8	50	12.39
460 1926	3/4	1	1/8	50	14.45

SUPRENE – Natural FDA 80A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
460 6014	1/8	1/4	1/16	50	1.55
460 6350	1/4	3/8	1/16	50	1.15
460 6406	1/4	1/2	1/8	50	6.19
460 6462	5/16	7/16	1/16	50	3.09
460 6630	3/8	1/2	1/16	50	3.61
460 6742	3/8	5/8	1/8	50	8.26
460 7078	1/2	3/4	1/8	50	10.32
460 7638	3/4	1	1/8	50	14.45

SUPRENE – Black Industrial 64A Durometer

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
461 0228	1/8	1/4	1/16	50	1.55
461 0396	3/16	5/16	1/16	50	2.06
461 0564	1/4	3/8	1/16	50	1.15
461 0620	1/4	1/2	1/8	50	6.19
461 0676	5/16	7/16	1/16	50	3.09
461 0844	3/8	1/2	1/16	50	3.61
461 0956	3/8	5/8	1/8	50	8.26
461 1180	1/2	5/8	1/16	50	4.65
461 1292	1/2	3/4	1/8	50	10.32
461 1628	5/8	7/8	1/8	50	12.39

Add length suffix to part number when ordering. Example: 50 ft. of 1/8" I.D. x 1/4" O.D. tubing is part number 461 0228-50. **BOLD** indicates the critical dimension for fittings application.

Notes

SUPRENE offers excellent flex fatigue resistance and good tear resistance, making it an ideal choice for peristaltic pump applications. The FDA material is suitable for a variety of clean uses and is autoclavable to ensure cleanliness.

Black industrial SUPRENE offers good resistance to U.V., ozone, chemicals, and other fluids. It will also handle applications where oil may splash onto the tubing and is well suited for outdoor use.

Other durometers meeting NSF requirements may be available as a custom item — call for details.

Physical Properties**

	Natural FDA 64A	Natural FDA 80A	Black Ind. 64A
Hardness, Shore A @ 77°F, ±5	64	80	64
Tensile Strength @ 77°F, psi	950	1600	1000
Elongation at Break, %	400	450	400
Tear Strength @ 73°F, pli	140	194	140
Compression Set % @ 73°F after 168 hrs.	22	29	22
212°F after 168 hrs.	34	41	34
Brittle Temperature, °F	<-76	<-76	<-76
Minimum Recommended Operating Temp., °F	-60	-60	-60
Maximum Recommended Operating Temp., °F	275	275	275

**Values listed are typical for the material used in manufacture, except where noted, and are meant only as a guide to aid in design. Field testing should be performed to find the actual values for your application.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Custom Services

- Cut
- Color
- Size
- Hardness
- Overbraid
- And More

Call for more information: 800-506-3924 or 215-526-2300

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