

Superthane® Pneumatic

Colored Polyurethane Tubing for Pneumatics



ESOP Employee Owned
for Your Benefit



Fluid Transfer Specialists®

Colored Polyurethane Tubing for Pneumatics



- Made from hydrolysis resistant, 85A durometer Ether polyurethane
- Stocked in 9 colors for easy multiple line identification
- Can be bonded into a multiple tube ribbon
- Clamps not required when used with properly designed barbed fittings at pressures of 105 psi or less
- Naturally flexible for close-in bending — contains no plasticizers which could migrate and cause tube hardening or flow contamination
- Resistant to weathering, kinking, tearing, abrasion, impact, and radiation exposure
- Material is listed by the National Sanitation Foundation (NSF 61) for use with potable water
- Wide range of temperature resistance: -90°F to 175°F



Made in U.S.A.

SUPERTHANE PNEUMATIC – Transparent Colors

PART NO. <i>RED</i>	PART NO. <i>YELLOW</i>	PART NO. <i>BLUE</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F
211 0605	211 0626	211 0535	1/16	1/8	1/32	100, 1000	135	405
211 1235	211 1256	211 1165	1/8	1/4	1/16	100, 1000	130	390

PART NO. <i>GREEN</i>	PART NO. <i>CLEAR</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F
211 0563	210 0070*	1/16	1/8	1/32	100	135	405
211 0563		1/16	1/8	1/32	1000	135	405
211 1193	210 0224*	1/8	1/4	1/16	100	130	390
211 1193		1/8	1/4	1/16	1000	130	390

*Longer lengths also available — 210 0070 in 500 and 5000 ft.; 210 0224 in 1500 ft. Sold by standard coil length only. 1,000 ft. lengths are supplied on spools. Add length suffix to part number when ordering. Example: 100 ft. of 1/16" I.D. yellow tubing is part number 211 0626-100.

Weight, lbs. per 100 ft.: 1/16" I.D. tubing = .45; 1/8" I.D. tubing = 1.79

BOLD indicates the critical dimension for fittings application.

SUPERTHANE PNEUMATIC – Opaque Colors

PART NO. <i>BLACK</i>	PART NO. <i>WHITE</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F
211 0528	211 0619	1/16	1/8	1/32	100, 1000	135	405
211 1158	211 1249	1/8	1/4	1/16	100, 1000	130	390

PART NO. <i>GRAY</i>	PART NO. <i>ORANGE</i>	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	WORKING PSI AT 70°F	BURST PSI AT 70°F
211 1200	211 1221†	1/8	1/4	1/16	100, 1000	130	390

†Not available in 1000 ft. lengths.

Sold by standard coil length only. 1,000 ft. lengths are supplied on spools. Add length suffix to part number when ordering. Example: 1,000 ft. of 1/8" I.D. gray tubing is part number 211 1200-1000.

Weight, lbs. per 100 ft.: 1/16" I.D. tubing = .45; 1/8" I.D. tubing = 1.79

BOLD indicates the critical dimension for fittings application.

Notes

Ether-based SUPERTHANE PNEUMATIC tubing is resistant to attack from moisture, humidity, and fungi. SUPERTHANE PNEUMATIC has excellent cold temperature flexibility and virtually unlimited flexural life. The superior strength of SUPERTHANE PNEUMATIC makes it more resistant to pressure and vacuum than corresponding sizes of PVC or rubber.

When used with Thermobarb® fittings, SUPERTHANE PNEUMATIC will not require clamps, provided that working pressures remain at or below 105 psi at ambient temperature.

The ether-based material used in SUPERTHANE PNEUMATIC is listed by the National Sanitation Foundation (NSF 61) for use with potable water.

Physical Properties**

Hardness, Shore A ±2	85
Tensile Strength, psi	5500
Elongation at Break, %	580
Brittle Temperature, °F	-90
Maximum Operating Temp., °F	175

**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**
- **Hot Bond**
- **Hardness**
- **Size**
- **Overbraid**
- **Heat-Form**
- **And More**

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