



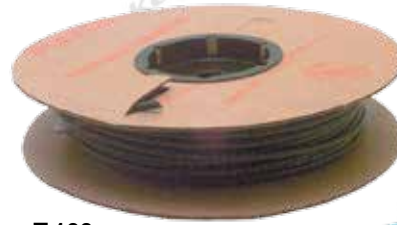
# PNEUMATICS & FITTINGS

## PNEUMATIC TUBING T-100 SERIES, T-141

### DESCRIPTION

The **Performance Pipe T-100 Series** pneumatic tubing is a superior quality, flame-retardant, stress-crack resistant, exclusively compounded polyethylene tubing that provides long-term, reliable performance. This tubing is suitable for installation in air ducts, plenums, and other spaces used for environmental air.

The **T-141** is made of extremely flexible, clear-blue polyurethane that is not flame-retardant-rated and is used only for inside panels. It is kink-resistant, has an excellent memory, and features high compression strength and outstanding abrasive resistance.



T-100



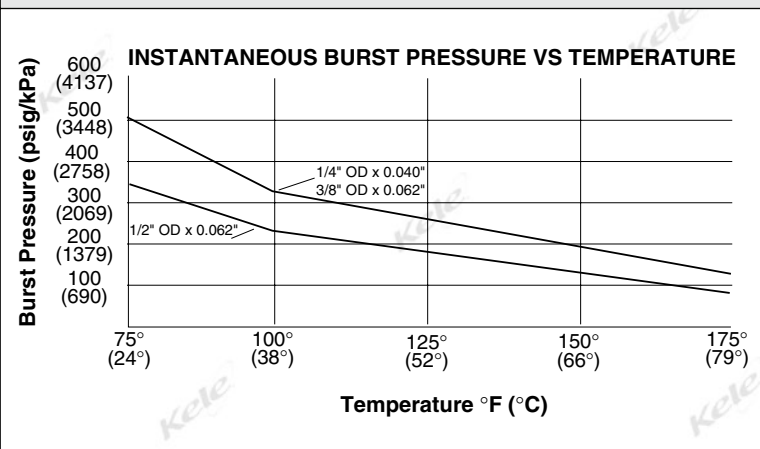
T-141

### FEATURES

#### T-100 SERIES POLYETHYLENE:

- Flexible and lightweight
- Flame retardant
- High stress-crack resistance
- Easy to handle and install
- Resistant to ultraviolet breakdown
- Meets or exceeds every requirement for flame retardant polyethylene tubing set by the pneumatic controls industry
- Numbering system for multitube identification
- Available with colored stripes

### PERFORMANCE CHART - POLYETHYLENE TUBING



**CAUTION:** The polyethylene performance chart indicates short term burst pressures, not long term operating pressures, as indicated in laboratory testing. No representations of operating burst pressures are expressed or implied.

### SPECIFICATIONS

#### Specifications for T-100 Series

<b>Burst Pressure</b>	
T-100 Series	ASTM Test D-1599; typical value >500 psig (3,448 kPa)
T-141 only	320 psig (2,206 kPa) @ 75°F (24°C) derated to 160 psig (1,103 kPa) @ 150°F (66°C)
<b>Bending Modulus</b>	ASTM Test D-747; typical value 3000 psig ±5000
<b>Density</b>	ASTM Test D-792; typical value 1.1 ±0.005 g/cc
<b>Elongation</b>	ASTM Test D-638; typical value 600%
<b>Melt Index</b>	ASTM Test D-1238; typical value 0.6 ±0.1 g/10 min
<b>Polyethylene Classification</b>	ASTM Test D-1248; Type I, Class B or C, Category 4

<b>Shore A Hardness</b>	ASTM Test D-1700; typical value 97 ±3
<b>Shore D Hardness</b>	ASTM Test D-1700; typical value 45 ±3
<b>Smoke Density</b>	UL 1820; peak optical density 0.5, maximum optical density 0.15
<b>Stress Crack Resistance</b>	ASTM Test D-1693; typical value V 200 hours
<b>Flame Propagation</b>	UL 1820; typical value 0.5
<b>Tensile Strength</b>	ASTM Test D-638; typical value >2000 psig (13,790 kPa)
<b>Water Absorption</b>	ASTM Test D-576; maximum value 5
<b>Flammability Rating</b>	UL 94 V-2; UL 910 NFPA 90A

# PNEUMATICS & FITTINGS

## PNEUMATIC TUBING T-100 SERIES, T-141



DIMENSIONS			
Model	Description	Dimensions	Weight
<b>T-100</b>	5/32" OD black poly tubing, 1 coil, 500 ft (152 m)	0.156" OD, 0.096" ID, 0.030 Wall, 500 ft (152 m) coil	3.0 lb (1.4 Kg) per coil
<b>T-100-2</b>	5/32" OD black poly tubing, twin, 1 coil, 500 ft (152 m)	0.156" OD, 0.096" ID, 0.030 Wall, 500 ft (152 m) coil	6.0 lb (2.8 Kg) per coil
<b>T-101</b>	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-2</b>	1/4" OD black poly tubing, twin, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	6.6 lb (3.0 Kg) per coil
<b>T-101-B</b>	1/4" OD black with blue stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-G</b>	1/4" OD black with green stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-O</b>	1/4" OD black with orange stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-R</b>	1/4" OD black with red stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-V</b>	1/4" OD black with violet stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-W</b>	1/4" OD black with white stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-101-Y</b>	1/4" OD black with yellow stripe poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.170" ID, 0.040 Wall, 250 ft (76 m) coil	3.3 lb (1.5 Kg) per coil
<b>T-110</b>	3/8" OD black poly tubing, 1 coil, 250 ft (76 m)	0.375" OD, 0.250" ID, 0.062 Wall, 250 ft (76 m) coil	7.6 lb (3.4 Kg) per coil
<b>T-130</b>	1/2" OD black poly tubing, 1 coil, 250 ft (76 m)	0.500" OD, 0.375" ID, 0.062 Wall, 250 ft (76 m) coil	10.6 lb (4.8 Kg) per coil
<b>T-141</b>	1/4" OD clear blue poly tubing, 1 coil, 250 ft (76 m)	0.250" OD, 0.159" ID, 0.045 Wall, 250 ft (76 m) coil	7.2 lb (3.3 Kg) per coil

### ORDERING INFORMATION

MODEL	DESCRIPTION
<b>T-100</b>	5/32" OD black poly tubing, 1 coil, 500 ft (152 m)
<b>T-100-2</b>	5/32" OD black poly tubing, twin, 1 coil, 500 ft (152 m)
<b>T-101</b>	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-2</b>	1/4" OD black poly tubing, twin, 1 coil, 250 ft (76 m)
<b>T-101-B</b>	1/4" OD black with blue stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-G</b>	1/4" OD black with green stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-O</b>	1/4" OD black with orange stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-R</b>	1/4" OD black with red stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-V</b>	1/4" OD black with violet stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-W</b>	1/4" OD black with white stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-101-Y</b>	1/4" OD black with yellow stripe poly tubing, 1 coil, 250 ft (76 m)
<b>T-110</b>	3/8" OD black poly tubing, 1 coil, 250 ft (76 m)
<b>T-130</b>	1/2" OD black poly tubing, 1 coil, 250 ft (76 m)
<b>T-141</b>	1/4" OD clear blue poly tubing, 1 coil, 250 ft (76 m)