



PNEUMATICS & FITTINGS

PNEUMATIC TUBING

T-100 SERIES, MODEL T-141

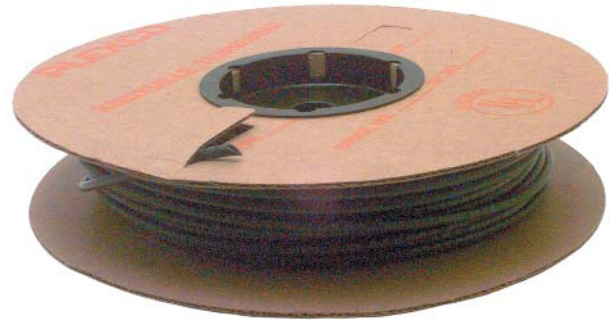
DESCRIPTION

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 **Model T-141** is made of extremely flexible, clear blue polyurethane. It 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.

FEATURES (T100 Series)

- **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**



T-100



T-141

DIMENSIONS – T100 SERIES

NOMINAL				WEIGHT /COIL	STD. COIL LENGTH ft (m)
Size	OD	ID	Wall		
5/32" OD	0.156"	0.096"	0.030"	3.0#	500 (152)
1/4" OD	0.250"	0.170"	0.040"	3.3#	250 (76.2)
3/8" OD	0.375"	0.250"	0.062"	7.6#	250 (76.2)
1/2" OD	0.500"	0.375"	0.062"	10.6#	250 (76.2)
5/32" Twintube	0.156" ea	0.096" ea	0.030" ea	6.0#	500 (152)
1/4" Twintube	0.250" ea	0.170" ea	0.040" ea	14.3#	500 (152)

DIMENSIONS – T-141

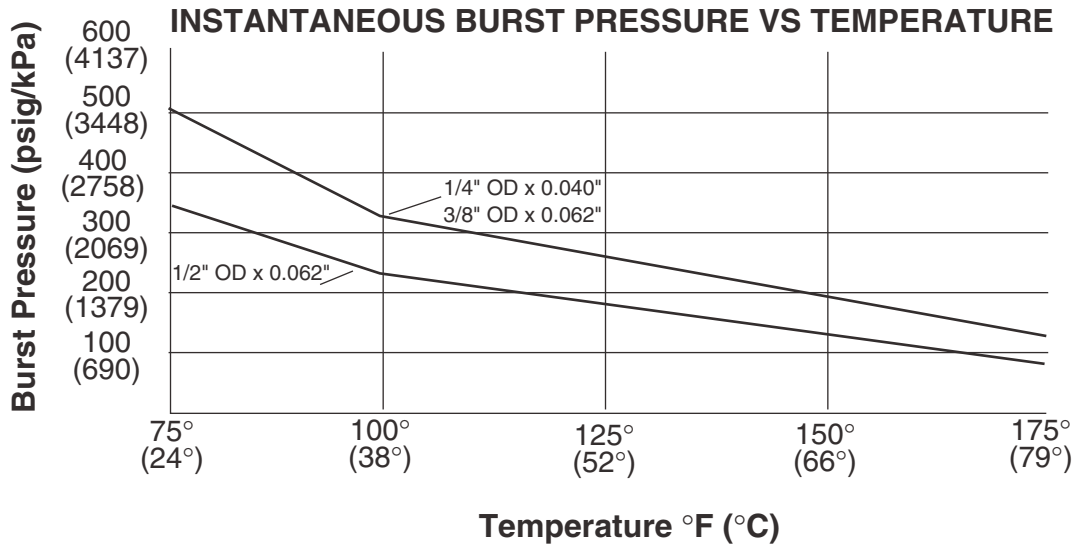
NOMINAL				WEIGHT /COIL	STD COIL LENGTH
Size	OD	ID	Wall		
1/4"	0.250"	0.159"	0.045"	7.15#	250' (76.2m)
Polyurethane					
APPROXIMATE INSTANTANEOUS BURST PRESSURE psig (kPa)					
75°F (24°C)	100°F (38°C)	125°F (52°C)	150°F (66°C)	Vacuum Rating "Hg @ 75°	
320 (2206)	250 (1724)	180 (1241)	160 (1103)	28 (193)	

SPECIFICATIONS

	ASTM Test	Typical Value		ASTM Test	Typical Value
Melt index	D-1238	0.6 ± 0.1 g/10 min	Stress-crack resistance	D-1693	V 200 hrs
Density	D-792	1.1 ± 0.005 g/cc	Flammability	UL 94	V-2
Tensile strength				UL 910	Classified (NFPA 90A)
ultimate (20 in/min.)	D-638	>2000 psig (13,790 kPa)	Polyethylene classification	D-1248	Type I, Class B or C, Category 4
Elongation			Flame propagation	UL 1820	0.5
ultimate (20 in/min.)	D-638	600%	Smoke density	UL 1820	0.5
Shore A hardness	D-1700	97 ±3	Peak optical density	UL 1820	0.5
Shore D hardness	D-1700	45 ±3	Max optical density	UL 1820	0.15
Water absorption	D-576	5 max			
Bending modulus	D-747	3000 psig ±5000			
Color		Black or striped			
Burst pressure	D-1599	5/32" >500 psig (3448 kPa)			
		1/4" >500 psig (3448 kPa)			
		3/8" >500 psig (3448 kPa)			
		1/2" >350 psig (2413 kPa)			



PERFORMANCE CHART – POLYETHYLENE TUBING



CAUTION: The above 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.

ORDERING INFORMATION

MODEL	DESCRIPTION	STANDARD COIL LENGTH ft (m) ORDER QTY 1 = 1 COIL
T-100	5/32" OD black	500 (152)
T-100-2	5/32" OD twintube black	500 (152)
T-101	1/4" OD black	250 (76.2)
T-101-2	1/4" OD twintube black	250 (76.2)
T-110	3/8" OD black	250 (76.2)
T-130	1/2" OD black	250 (76.2)
T-101-B	1/4" OD black with blue stripe	250 (76.2)
T-101-G	1/4" OD black with green stripe	250 (76.2)
T-101-O	1/4" OD black with orange stripe	250 (76.2)
T-101-R	1/4" OD black with red stripe	250 (76.2)
T-101-V	1/4" OD black with violet stripe	250 (76.2)
T-101-W	1/4" OD black with white stripe	250 (76.2)
T-101-Y	1/4" OD black with yellow stripe	250 (76.2)
T-141	1/4" OD clear blue polyurethane	250 (76.2)