



Linear Low Density Industrial Polyethylene Tubing

Construction:

- Linear low density polyethylene tubing

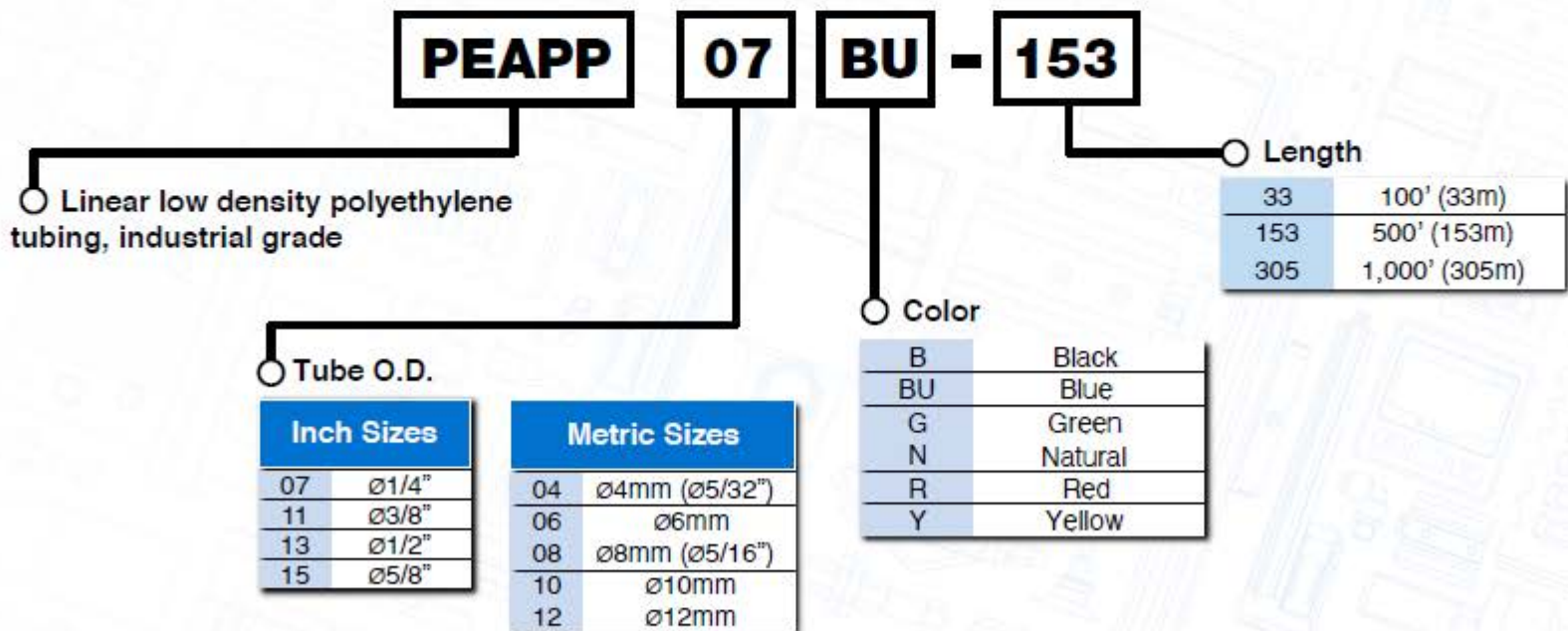
Applications:

- Transfer of air and liquids in industrial applications
- Chemical transfer lines
- Humidifier fill lines
- Drain lines
- Instrument air lines

Features:

- Economical and lightweight
- LLDPE resin provides excellent environmental stress crack resistance
- Exceptional chemical resistances
- Six colors
- Excellent resistance to solvents
- Unaffected to sunlight and other forms of ultra-violet radiation (black only)
- FDA Type 1, Class A, category 4 polyethylene resin complies with FDA 21 CFR 177.1520 for olefin polymers (par (c) 3.2a). Not NSF Certified

How To Order



Note: 4mm tubing is suitable for use with 5/32" SMC One-touch fittings as is 8mm tubing and 5/16" fittings. 4, 6, 8, 10 and 12mm are commonly available in black and natural only, other colors are special order.

PEAPP Series

Inch

Nominal OD (in)	Nominal ID (in)	Nominal Wall (in)	Bend Radius (in)	Working Pressure @ 70°F (20°C) (in)	Bend Radius (in)	Service Temp Range	Hardness
0.25	0.17	0.04	1.25	150	450	-50°~	Shore A
0.375	0.25	0.063	2	150	450	+140°F	98A,
0.5	0.375	0.063	2.5	125	375	(-45°~	Shore D
0.625	0.5	0.063	3	100	300	60°C)	55D

Applicable SMC Fitting Series: KQ2, KQG2, KQB2, KG, KS, DMK, KDM
 Note: Fittings are not FDA/NSF compliant

Metric

Nominal OD (mm)	Nominal ID (mm)	Nominal Wall (mm)	Bend Radius (mm)	Working Pressure @ 70°F (20°C) (psi)	3:1 Burst Pressure (psi)*	Service Temp Range	Hardness
4	2.5	0.75	25.4	180	540	-50°~	Shore A
6	4	1	31.8	150	450	+140°F	98A,
8	6	1	38	150	450	(-45°~	Shore D
10	8	1	51	125	375	60°C)	55D
12	9	1.5	63.5	100	300		

Applicable SMC Fitting Series: KQ2, KQG2, KQB2, KG, KB, KS, KX, DMK, KDM
 Note: Fittings are not FDA/NSF compliant

Weight

Inch Sizes			Metric Sizes		
OD	Package Length (in)	Package Weight (lbs)	OD	Package Length (in)	Package Weight (lbs)
1/4"	100 ○	1.2	4mm	100 ○	0.6
	500 ●	6		500 ●	3
	1,000 ●	12		1,000 ●	6
3/8"	100 ○	2.3	6mm	100 ○	1.1
	500 ●	11.5		500 ●	5.5
	1,000 ●	23		1,000 ●	11
1/2"	100 ○	3.4	8mm	100 ○	1.5
	500 ●	17		500 ●	7.5
	1,000 ●	5		1,000 ●	15
5/8"	100 ○	5	10mm	100 ○	2.1
	500 ●	25		500 ●	10.5
				1,000 ●	21
			12mm	100 ○	2.5
				500 ●	13

○ Bagged ● Reel

General

Operating Fluid	Air, Water, Compatible chemicals
Operating Temperature	-50 to +140°F (-45 to +60°C)
Material	Linear low density polyethylene
Hardness	Shore A 98A, Shore D 55D

Note: Working pressure decreases as temperature increases. Pressure ratings can only be obtained with proper coupling procedures. Because we continually examine ways to improve our products, we reserve the right to alter specifications without prior notice.

Related Products

