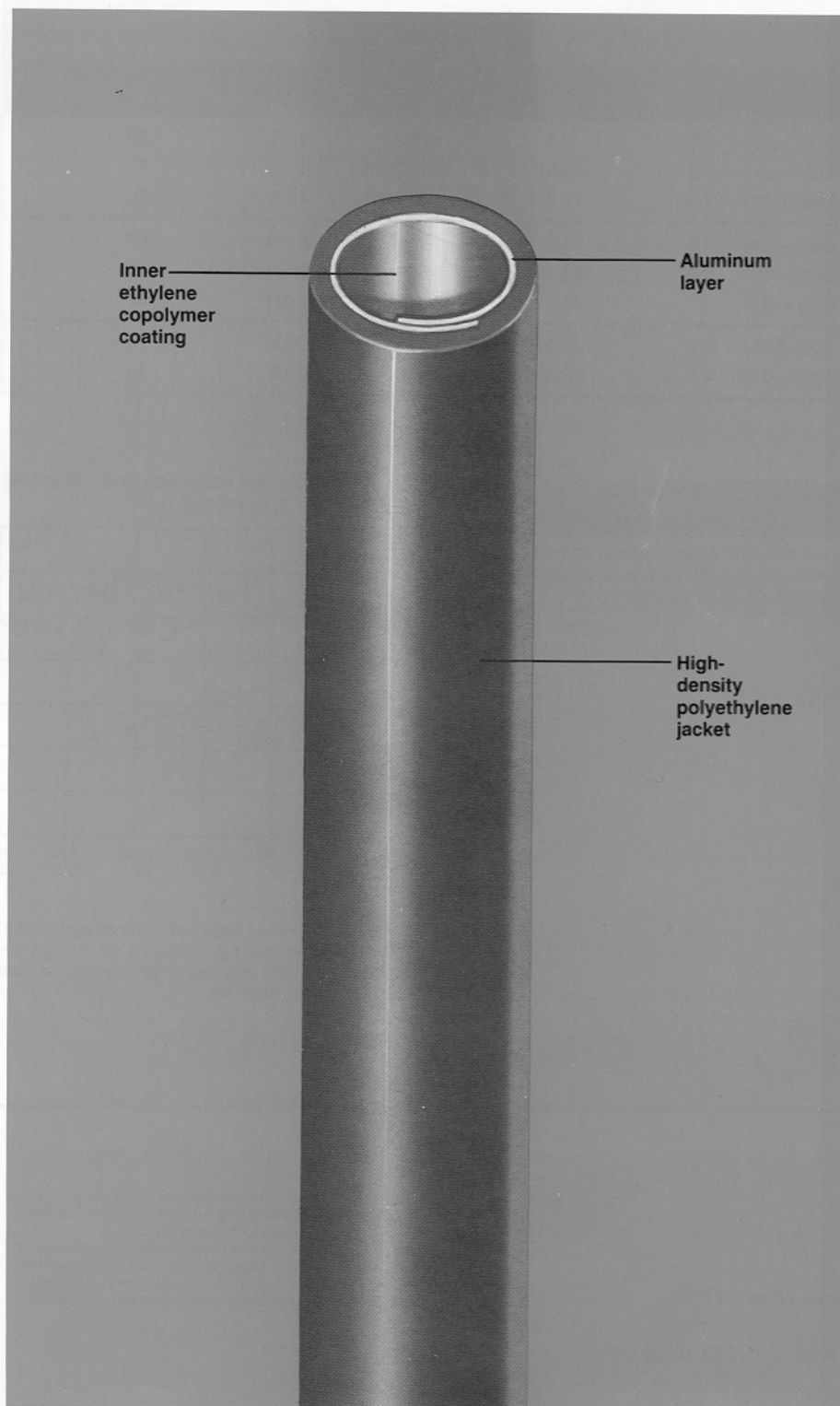


Dekoron®

Type 1300 Dekabon Metal/Plastic Composite Tubing



Application

Dekabon 1300 is a unique composite-wall tubing designed for pneumatic instrument control systems. Its fully-bonded polyethylene/aluminum construction combines the advantages of both metal and plastic tubing.

Chemical Resistance

The outer, high-density polyethylene layer is impervious to most chemical-containing atmospheres and enables Dekabon 1300 to outperform practically all types of unprotected metal tubing.

Greater Strength

The inner aluminum layer adds tube wall strength that permits Dekabon 1300 to span large distances without additional support. It also makes a perfect tubing choice for direct burial without additional protection, from concrete to earth installations. Dekabon 1300's shape-holding ability can provide neat looking bends without special bending tools. Yet the metal reinforced tube wall gives Dekabon 1300 greater pressure ratings than just plain plastic tubing.

Easy to Install

Dekabon 1300 can be cut cleanly with a standard utility knife. Tube O.D.'s are sized to connect with standard compression fittings without special tube preparation. Tubing is manufactured in long, continuous lengths which can eliminate many fitting connections, yet it's light enough for an installer to carry to practically any location.

Low Cost

Dekabon 1300 costs only a fraction of the cost associated with coated metal tubing or tubing made from one of the expensive corrosion resistant metals.

How to Specify

Example: 1300-04403

Dekabon 1300 1/4", O.D. X .040" wall, high-density polyethylene/aluminum composite single line tubing, 250 ft. lengths.

Technical Information

Specifications

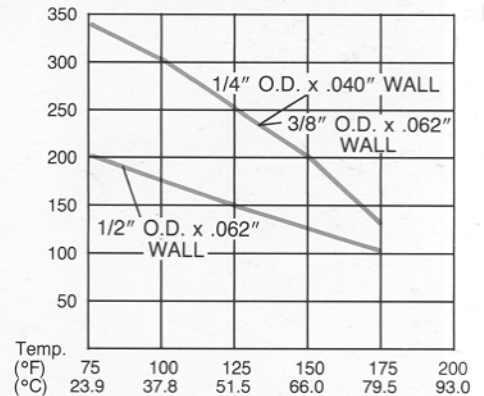
Part Number	Tube O.D. Inches	Tube Wall Thickness Inches	O.D. Tolerance Inches	Net Wt. Lbs./ C'	Estimated Shipping Weight Lbs.	Coil Length Ft.	Recommended Minimum Bend Radius Inches	Maximum Recommended Pulling Tension Lbs.
1300-04403 *	1/4	.040	+.005/- .011	1.6	5.5	250	1-1/2	25
1300-04404 *	1/4	.040	+.005/- .011	1.6	9.5	500	1-1/2	25
1300-04405	1/4	.040	+.005/- .011	1.6	18.0	1000	1-1/2	25
1300-06603 *	3/8	.062	+.006/- .011	3.5	10.5	250	2-1/4	62
1300-06604 *	3/8	.062	+.006/- .011	3.5	20.0	500	2-1/4	62
1300-06605	3/8	.062	+.006/- .011	3.5	38.0	1000	2-1/4	62
1300-08603 *	1/2	.062	+.006/- .011	4.9	16.0	250	3-1/4	75
1300-08604 *	1/2	.062	+.006/- .011	4.9	30.0	500	3-1/4	75

* Stock Item

Material Characteristics

Tube Material	Material Standards
Polyethylene/ Aluminum Composite	Black, high-density polyethylene bonded to an overlapped aluminum tape having an ethylene copolymer coating. Polyethylene complies with ASTM D-1248 Classification; Type III, Class C, Category 5.

MAXIMUM RECOMMENDED WORKING PRESSURE VS. TEMPERATURE*



* Pressure curve is based on tube strength only. The pressure sealing capability of fitting connectors can vary and therefore influence actual system pressure rating.

The material contained in this document is presented in good faith and believed to be reliable and accurate. However, because testing conditions may vary and material quality or information that may be provided in whole or part by others may be beyond our control, no warranty, expressed or implied, is given and the Furon Co. can assume no liability for results obtained or damages incurred through the application of the data and tests presented.