

Hytrel[®]-Lined PVC

Co-Extruded Tubing of Hytrel & PVC



Celebrating over

50
Years
of Service
1954-2008

ESOP Employee Owned
for Your Benefit



Fluid Transfer Specialists[®]

Co-Extruded Tubing of Hytrel & PVC



- Made from FDA-sanctioned ingredients
- Hytrel core resists high temperatures and oils, making it ideal for hot beverage vending machine applications
- Low permeability to refrigerant gases and hydrocarbons
- Odorless, tasteless, and inert
- Good weathering properties — resists U.V., ozone, gases, moisture, and temperatures
- Low adherence of particulates — ideal for air sampling applications



Made in U.S.A.

Notes

HYTREL-LINED PVC TUBING is designed to offer the flexibility and durability of PVC tubing with a liner of inert, DuPont Dow Elastomers' Hytrel for additional resistance to oils, high temperatures, and gas permeability. A patented process molecularly bonds liner and jacket to make a virtually inseparable product. This cost-saving co-extrusion permits HYTREL-LINED PVC to be substituted for conventional reinforced PVC hose in many applications.

The Hytrel polyester core offers internal resistance to chemical attack, abrasion, and contamination, along with a high degree of resistivity to adherence of particulates, making HYTREL-LINED PVC exceptionally suited for use in air sampling applications.

HYTREL-LINED PVC TUBING's black PVC jacket offers excellent resistance to abrasion and oils, as well as U.V. The pliable PVC also provides a degree of shock resistance and insulates the tubing from electronic interference.

HYTREL-LINED PVC TUBING is made of FDA-sanctioned ingredients for use with food contact surfaces. It may be autoclaved one time only at 250°F (steam) for 15 minutes.

Physical Properties**

	Hytrel Core	PVC Cover
Hardness, Shore D	55	
Hardness, Shore A		80
Tensile Strength, psi	5200	2000
Elongation at Break, %	450	400
Brittle Temperature, °F	-51	-41
Max. Operating Temp., °F	160	160
Color	Gray	Black

**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.

PART NO.	ID (IN.)	OD (IN.)	WALL (IN.)	STANDARD LENGTH (FT.)	LBS. PER 100 FT.
413 0091	.170	1/4	.040	500	1.92
413 0133	1/4	3/8	1/16	500	3.30
413 0217	3/8	1/2	1/16	250	4.80

Sold by standard coil length only. Add length suffix to part number when ordering. Example: 500 ft. of .170" ID x 1/4" OD tubing is part number 413 0091-500.

BOLD indicates the critical dimension for fittings application.

Recommended Fittings & Clamps

- Thermobarb® barbed fittings
- Newloc® push-to-connect fittings
- Oetiker® ear type clamps
- Kwik Clamp™ nylon double bond hose clamps
- Worm gear clamps

Custom Services

- **Cut** ■ **Overbraid**
- **Size** ■ **And More**

Call for more information
800-506-3924

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