TYGON hoses® pharmaceutical and biotechnology



TYGON® 2475 I.B.

Braided hose for high purity, low absorption and adsorption applications

Material: polyolefin
Max. operating temp: + 52°C **Brittleness temp:** - 78°C
Hardness: 72° Shore (A)
Density: 0.9 g/cm3

Colourless, semi-transparent, polyester braid-reinforced flexible hose for biopharmaceutical applications at higher pressures. Completely free of plasticisers. It is characterised by hydrophobicity (non-wettability) and very low absorption and adsorption of water-based fluids compared to silicone. This minimises the risk of changing fluid properties even with repeated use of the hose. The glassy smooth, pore-free inner surface prevents dirt from settling and adhering inside the hose and makes it easy to clean. Resistant to chemical cleaning agents and disinfectants. Has good chemical resistance to a range of substances: acids, bases, salts, as well as alcohols and ketones. Not recommended for hydrocarbons. Meets US FDA and USP Class VI hygiene requirements. Ethylene oxide or radiation sterilisation possible (up to 2.5 Mrad). Full hose reel length 15 m (from 25.4 mm inner diameter - 7.5 m).

index	internal diameter [mm]	external diameter [mm]	wall thickness [mm]	Operating pressure* 23°C [bar].	vacuum 23°C [mm Hg].	bend radius [mm]
VE-ACX00014	4,8	11,2	3,2	n.a.	760	n.a.
VE-ACX00019	6,4	12,8	3,2	15,5	760	9,6
VE-ACX00029	9,5	15,9	3,2	14,5	760	25,4
VE-ACX00038	12,7	19,1	3,2	15,9	760	25,4
VE-ACX00046	15,9	22,3	3,2	9,3	760	44,5
VE-ACX00054	19	27	4	9,3	760	31,8
VE-ACX42064	25,4	35	4,8	8,6	760	88,9
VE-ACX06074	38	50,8	6,4	n.a.	n.a.	n.a.

* - working pressure determined in relation to burst pressure with a safety factor of 1:4; n.d. - no data

