TYGON hoses® pharmaceutical and biotechnology



TYGON® 2475

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

A colourless, transparent, flexible hose for biopharmaceutical applications, completely free of plasticisers. It is characterised by hydrophobicity (non-wettability) and very low absorption and adsorption of water-based liquids 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). Incineration of used hoses does not release hazardous substances (e.g. chlorine), only carbon dioxide and water are produced during the combustion process.
Full hose reel length 15 m (from 25.4 mm internal 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-ACG00003	1,6	4,8	1,6	5,9	760	3,2
VE-ACG00007	3,2	6,4	1,6	3,4	760	6,4
VE-ACG00012	4,8	8	1,6	2,8	760	12,7
VE-ACG00017	6,4	9,6	1,6	2,1	760	19,1
VE-ACG00022	8	11,2	1,6	1,2	760	35
VE-ACG00027	9,5	12,7	1,6	1,4	635	44,5
VE-ACG00038	12,7	19,1	3,2	2	760	38,1
VE-ACG00046	15,9	22,3	3,2	1,7	760	57,2
VE-ACG00053	19	25,4	3,2	1,4	760	82,6
VE-ACG42064	25,4	35	4,8	1,4	760	76,2

* - working pressure determined in relation to burst pressure with a safety factor of 1:5

