

TYGON hoses[®] for food products



TYGON[®] XL-60

Temperature-resistant food hose for peristaltic pumps

Material: TPE (Tygoprene[®] thermoplastic styrene elastomer)

Max. operating temp: + 121°C

Brittleness temp: - 66°C

Hardness: 60° Shore (A)

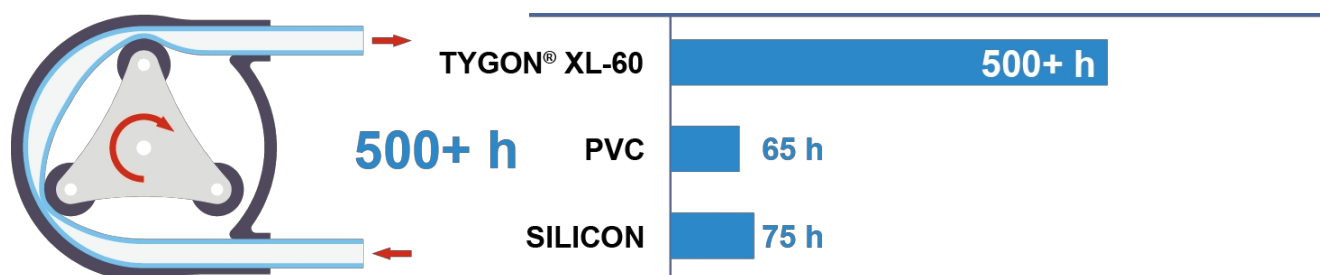
Density: 0.9 g/cm³

Lightweight, colourless, transparent, flexible, odourless, tasteless, non-toxic, DEHP phthalate-free hose. Specifically designed for use in peristaltic pumps. Used for bottling and portioning cold and hot food products, for soaps and detergents, for paints and in laboratories. The soft material of the hose (60° Shore (A)) is very flexible and ensures a very good service life of more than 500 hours in a peristaltic pump. The hose is a good alternative to the frequently used PVC or silicone hoses. It is flexible even at - 40°C and can withstand elevated temperatures up to + 121°C. It has good chemical resistance to a range of chemicals, such as acids and alkalis. Not recommended for fats, high alcohols and hydrocarbons. Resistant to ozone, oxygen and sunlight, flame retardant. Characterised by low extractability (penetration of material components into the medium). Meets hygiene and food contact requirements: European 10/2011 EU (for conditions and substances according to certificate), US FDA, NSF-51. Steam, ethylene oxide or radiation sterilisation possible. Length of full hose reel 15 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-AN800003	1,6	4,8	1,6	2,4	760	12,7
VE-AN800007	3,2	6,4	1,6	1,4	760	12,7
VE-AN800012	4,8	8	1,6	0,9	760	19,1
VE-AN800017	6,4	9,6	1,6	1	760	25,4
VE-AN800022	8	11,2	1,6	0,8	508	38,1
VE-AN800027	9,5	12,7	1,6	0,8	381	50,8
VE-AN800038	12,7	19,1	3,2	1	760	63,5
VE-AN800046	15,9	22,3	3,2	0,8	508	76,2
VE-AN800053	19	25,4	3,2	0,8	508	101,6

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

HOSE LIFE IN THE PERISTALTIC PUMP



Service life in operating hours (h) until hose failure for different hose types. Hose 6.4 x 9.6 mm, standard 3 roller peristaltic pump, 600 rpm at 23°C, no back pressure. Indicative data.