Chemical hoses TYGON® and VERSILON™



VERSILON™ 2001

Chemically resistant hose with a wide range of applications

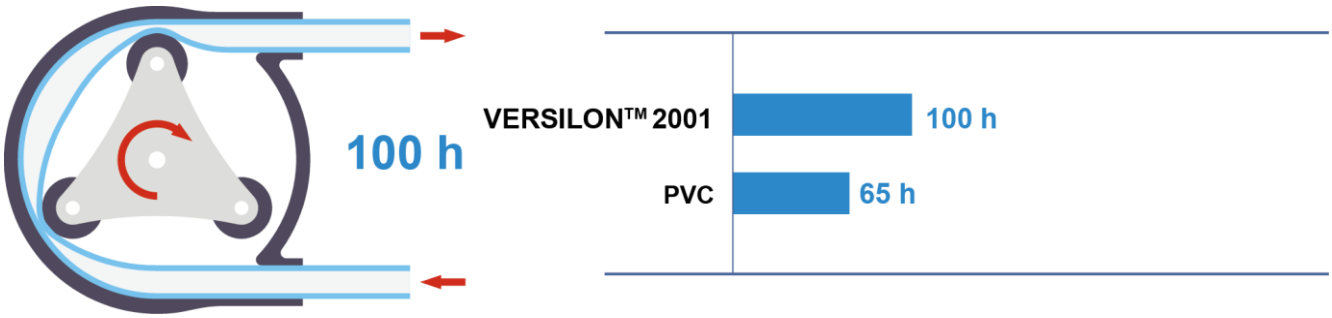
Material:	polyolefin
Working temperature:	from -73°C to +57°C
Brittleness temperature:	-78°C
Hardness:	69 Shore (A)
Density:	0.88 g/cm^3

A flexible, chemically resistant hose. It offers almost twice the service life in peristaltic pump operation compared to typical PVC hoses. At the same time it has good chemical resistance to a range of aggressive chemicals, such as polar solvents and corrosive media (acids, bases, salts, alcohols). It is durable and does not wear over time, so it needs replacing less often, avoiding production downtime. It has a wide range of applications, including demanding ones. Used for bottling and dosing products, dispensing soap and detergents, water treatment lines, transfer of ink and chemicals. Ideal for analytical devices, condensers, incubators, desiccators, as a gas and drainage line. High transparency ensures good flow visualisation. Free of plasticisers and oils - does not alter the properties of the media conveyed. Can be used in analytical testing. Proper incineration of used hoses does not release hazardous substances (e.g. hydrogen chloride). Meets US hygiene and food-contact requirements FDA 21 CFR 177.2600. Sterilisation by ethylene oxide or radiation (up to 2.5 Mrad) possible. Compliant with REACH (2006/1907/EC) – contains no hazardous or prohibited substances. Pressure safety factor 5:1. Assembled onto hose tails and ends using clamps. We recommend that hose selection for chemical applications be made in consultation with Tubes International specialists.

index	diameter inner [mm]	diameter outer [mm]	wall wall [mm]	working pressure 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]	weight [kg/m]	length full roll [m]
VE-AE300003	1,6	4,8	1,6	3,1	760	6,4	0,014	15
VE-AE300007	3,2	6,4	1,6	2,07	760	12,7	0,021	15
VE-AE300012	4,8	8,0	1,6	1,52	760	12,7	0,028	15
VE-AE300017	6,4	9,6	1,6	1,17	760	25,4	0,035	15
VE-AE300022	7,9	11,2	1,6	0,97	635	38,1	0,044	15
VE-AE300027	9,6	12,7	1,6	0,83	381	50,8	0,048	15
VE-AE300038	12,7	19,1	3,2	1,10	760	38,1	0,141	15
VE-AE300046*	15,9	22,3	3,2	0,9	635	63,5	0,169	15
VE-AE300053*	19,0	25,4	3,2	0,76	381	76,2	0,196	15
VE-AE300064	25,4	35,0	4,8	0,9	432	95,3	0,401	15

* - minimum order quantities apply to these sizes;

HOSE SERVICE LIFE IN A PERISTALTIC PUMP



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

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