

TYGON® and VERSILON™ chemical hoses



VERSILON™ F-5500-A

Hose with high chemical resistance and temperature, also for peristaltic pumps

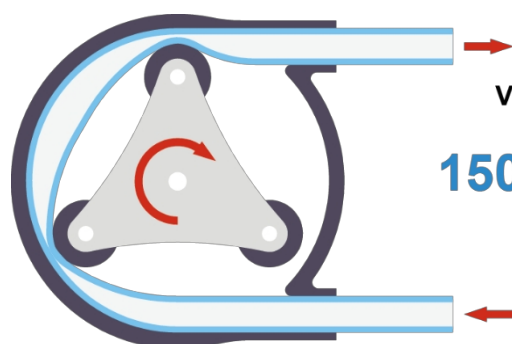
Material: Fluoroelastomer (FKM)
Max. operating temperature: + 204°C
Brittleness temp: - 51°C
Hardness: 60° Shore (A)
Density: 1.90 g/cm³

Black, opaque, top-quality flexible fluorocarbon rubber hose, resistant to solvents, fuels, oils, aggressive chemicals, also under elevated temperature conditions. Used for cleaning solvents (dry cleaners, solvent recovery systems), aggressive chemicals, acids and alkalis, hot oils and fuels. Suitable for peristaltic pumps. Resistant to ozone, sunlight and atmospheric conditions. The opaque black wall of the hose protects light-sensitive substances completely. Hose manufacturing process with post-vulcanisation annealing removes any residue and ensures minimal outgassing required for vacuum and space applications. Full hose reel length 15 m.

index	internal diameter [mm]	tolerance int. ± [mm]	external diameter [mm]	tolerance outer diameter ± [mm]	wall thickness [mm]	Operating pressure* 23°C / 135°C [bar]	vacuum 23°C / 135°C [mm Hg]	bend radius [mm]
VE-T5502-13	1,6	0,3	3,2	0,2	0,8	1,24 / 0,83	760 / 760	6,4
VE-T5504-23	3,2	0,25	6,4	0,2	1,6	1,31 / 0,9	760 / 760	12,7
VE-T5506-23	4,8	0,38	8	0,2	1,6	1,03 / 0,62	760 / 760	19,1
VE-T5508-23	6,4	0,43	9,6	0,23	1,6	0,9 / 0,55	635 / 508	25,4
VE-T5510-23	8	0,46	11,2	0,23	1,6	0,76 / 0,41	381 / 254	31,8
VE-T5512-23	9,6	0,46	12,7	0,2	1,6	0,69 / 0,34	254 / 127	50,8

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

HOSE LIFE IN THE PERISTALTIC PUMP



VERSILON™ F-5500-A

150 h

PVC

65 h

SILICON

75 h

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.