TPE, TEEE TYGON® universal and laboratory



TYGON® E-3603

Universal durable hose – laboratory and vacuum applications, also for foodstuffs

Material:	PVC (special)
Working temperature:	to +74°C
Brittleness temperature:	-46°C
Hardness:	56 Shore (A)
Density:	1.21 g/cm^3

Colourless, crystal-clear, soft and flexible hose for laboratory applications (including vacuum). For reagents and chemicals used in the modern laboratory. It can also be used for foodstuffs. Non-oxidising and not contaminating the medium, it is an ideal choice for a range of applications. Made to tight tolerances, with batch-to-batch repeatable properties, non-toxic, non-contaminating and less permeable than rubber hoses. A glassy-smooth inner surface minimises deposits and eases cleaning. Ideal for analytical devices, condensers, desiccators, as a gas and drainage line. Also often used for cooling computer processors. A highly durable hose, resistant to bending and abrasion, suitable for peristaltic and vacuum pumps. Non-toxic, free of phthalates and BPA, compliant with USP Class VI requirements.
Meets European hygiene and food-contact requirements: 1935/2004/EC and 10/2011/EU (simulants B and C, hydrated food and up to 20% alcohol). Compliant with US FDA and NSF-51 requirements. Compliant with REACH 1907/2006/EU and RoHS 2011/65/EU – contains no hazardous or prohibited substances. Steam sterilisation possible (30 min, 1 bar, +121°C) or with ethylene oxide. Thick-walled vacuum versions (VACUUM) can operate at 760 mm Hg vacuum at 23°C and up to 686 mm Hg at 60°C. Pressure safety factor 5:1. Fitting onto hose tails and ends with clamps.

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-ACF00001	0,8	2,4	0,8	4,8	760	3,2	0,005	15
VE-ACF00002	1,6	3,2	0,8	2,5	760	6,4	0,007	15
VE-ACF00003	1,6	4,8	1,6	4,8	760	3,2	0,019	15
VE-ACF00004	2,4	4,0	0,8	1,7	760	9,5	0,010	15
VE-ACF00005	2,4	5,6	1,6	3,2	760	6,4	0,024	15
VE-ACF00006	3,2	4,8	0,8	1,4	508	12,7	0,012	15
VE-ACF00007	3,2	6,4	1,6	2,5	760	9,5	0,029	15
VE-ACF00009	4,0	5,6	0,8	1,2	305	9,5	0,015	15
VE-ACF00010	4,0	7,1	1,6	2,1	760	12,7	0,033	15
VE-ACF00011	4,8	6,4	0,8	1	229	25,4	0,017	15
VE-ACF00012	4,8	7,9	1,6	1,7	760	15,9	0,037	15
VE-ACF00013	4,8	9,5	2,4	2,5	760	12,7	0,064	15
VE-ACF00014	4,8	11,1	3,2	3,2	760	9,5	0,095	15
VE-ACF00015*	4,8	14,4	4,8	4,8	760	6,4	0,172	15
VE-ACF00016	6,4	7,9	0,8	0,8	127	41,3	0,020	15
VE-ACF00017	6,4	9,5	1,6	1,4	508	25,4	0,047	15
VE-ACF00018	6,4	11,1	2,4	1,9	760	19,0	0,078	15
VE-ACF00019	6,4	12,7	3,2	2,5	760	12,7	0,114	15
VE-ACF00020	6,4	16,0	4,8	3,7	760	12,7	0,201	15
VE-ACF00022	7,9	11,1	1,6	1,2	330	34,9	0,058	15
VE-ACF00023	7,9	12,7	2,4	1,6	760	25,4	0,094	15
VE-ACF00024	7,9	14,3	3,2	2,1	760	22,2	0,135	15
VE-ACF00025	7,9	15,9	4,0	2,5	760	19,0	0,181	15
VE-ACF00027	9,5	12,7	1,6	1	229	38,1	0,067	15
VE-ACF00028	9,5	14,3	2,4	1,4	533	34,9	0,109	15
VE-ACF00029	9,5	15,9	3,2	1,7	760	28,6	0,154	15
VE-ACF00030	9,5	22,3	6,4	3,2	760	15,9	0,382	15
VE-ACF00032	11,1	14,3	1,6	0,9	178	57,2	0,077	15
VE-ACF00033	11,1	15,9	2,4	1,2	381	44,4	0,123	15
VE-ACF00034	11,1	17,5	3,2	1,5	711	34,9	0,174	15
VE-ACF00036	12,7	15,9	1,6	0,8	127	73,0	0,087	15
VE-ACF00037	12,7	17,5	2,4	1	305	57,2	0,138	15
VE-ACF00038	12,7	19,1	3,2	1,4	533	38,1	0,193	15
VE-ACF00039	12,7	20,7	4,0	1,7	760	38,1	0,250	15
VE-ACF00040	12,7	28,7	8,0	3,1	760	22,2	0,624	15

* - minimum order quantities apply to these sizes

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