

INDUSTRIAL HOSES - TYGON®

TYGON® tubing and VERSILON™ tubing are manufactured from a variety of elastomers and plastics such as: silicone, PVC, polyurethane, fluoropolymers, thermoplastic elastomers. Regardless of the type, they are always made from the premium quality and purity materials, in controlled conditions, using the latest technology. Therefore, they are used in applications that require products of unique, laboratory quality and purity. TYGON® and VERSILON™ tubing - make a group of several tens of types of extruded tubing without reinforcement or braid-reinforced, intended for low working pressure, from a few to over ten bar and from an application-specific vacuum value up to full vacuum. Working temperature, depending on tubing material, reaches up to +200°C. The tubing is available in a wide range of dimensions - the same inner diameter comes in a couple of wall thickness options. Usually supplied by the manufacturer in 15 meter standard lengths.

TYGON® and VERSILON™ tubing meet the hygiene requirements of FDA, Pharmacopoeia, NSF-51, 3-A, ISO, EC directives. They are preferably used for applications which demand the fluid transfer conditions to be consistent, clean, sterile, completely chemically inert. The tubing is marked with LOT number to facilitate identification.

Main applications: transfer and dispensing of food and beverage products, scientific and industrial laboratories, medicine, pharmaceutical industry, biotechnology, chemical industry, fuel and oil hoses, semiconductor industry and electronics.

Many TYGON® and VERSILON™ tubing types are ideal for peristaltic pump application as they are soft enough, flexible, resistant to compression, spallation and flexural fatigue. In standard operation conditions the service life of the tubing in a peristaltic pump is over 1000 h.

We recommend to contact our experts in TUBES INTERNATIONAL® to select tubing appropriate for your application.

Following the most frequent applications, TYGON® and VERSILON™ tubing types can be divided into:

- food grade tubing:
TYGON® S3™ E-3603, TYGON® S3™ E-LFL, TYGON® S3™ B-44-3, TYGON® S3™ B-44-4X, TYGON® S3™ B-44-4X I.B., TYGON® S3™ M-34-R, TYGON® S3™ A24, TYGON® XL-60, TYGON® A-60-F (ex: NORPRENE® A-60-F), TYGON® A-60-F I.B. (ex: NORPRENE® A-60-F I. B.).
- tubing for pharmaceutical and biotech industry:
TYGON® 2475, TYGON® 2475 I.B., TYGON® 3350, TYGON® 3370 I.B., PHARMA PURE®, PHARMED®BPT,
- medical tubing:
TYGON® ND 100-65,
- general-purpose tubing:
VERSILON™ E-1000 (ex: TYGON® E-1000), VERSILON™ C-210-A (ex: TYGOTHANE®C-210-A), VERSILON™ C-544-A I.B. (ex: TYGOTHANE® C544-A I.B.), TYGON® A-60-G (ex: NORPRENE® A-60-G), VERSILON™ GSR (ex: GSR TUBING), VERSILON™ GA (ex: GA TUBING), VERSILON™, NITRILE (ex: NITRILE TUBING),
- fuel tubing:
TYGON® F-4040-A, TYGON® LP-1200, TYGON® LP-1100, TYGON® LP-1500, TYGON® LP-1600,
- chemical tubing:
TYGON® 2375, VERSILON™ F-5500-A (ex: FLURAN®), VERSILON™, TYGON® R-3400 (ex: TYGON® R-3400), TYGON® CHEMICAL (ex: NORPRENE® CHEMICAL), VERSILON™ ISO (ex: ISO-VERSINIC®), VERSILON™ SE-200 (ex: TYGON® SE-200), VERSILON™ PEEK™ (ex: ACUTECH PEEK™).

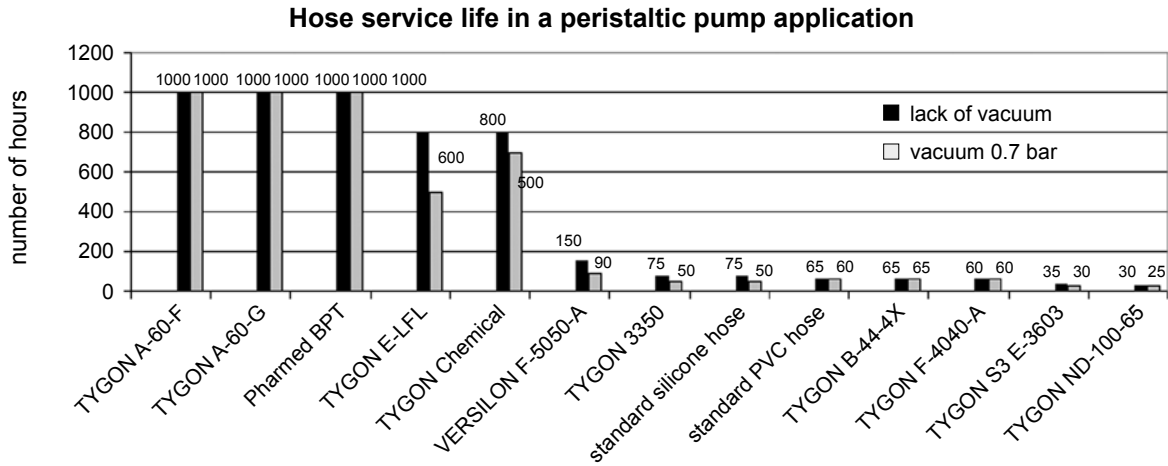
Main applications of TYGON® tubing:

- chemical processes,
- beverage, dairy products, foodstuffs transfer and dispensing,
- scientific and industrial laboratories,
- medicine (hospitals and laboratories),
- biotechnology and pharmaceutical industry,
- semiconductors, electronics, - peristaltic pumps.

The employees of Sales Department at TUBES INTERNATIONAL® will match your application to specific TYGON® tubing. The following information is required to facilitate the proper hose selection:

- medium,
- working temperature range,
- pressure,
- required dimensional tolerance,
- required hose flexibility, bending radius,
- ambient conditions,
- required cleaning method (sterilization),
- standards concerning hose material (FDA, ISO 10993, etc.),
- required resistance to flexural fatigue, spallation, decontamination with hose extractables, fluid absorption and adsorption, impurities build-up causing bacteria growth,
- waste disposal requirements for used hose.

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The data above shows the performance of a number of hoses in a peristaltic pump with 3-roller pump head, operating at 600 RPM (room temperature (+23°C); 6.4 mm hose inside diameter; 9.6 mm hose outside diameter).

TYGON® is a registered trademark of SAINT-GOBAIN PERFORMANCE PLASTICS.

INDUSTRIAL HOSES - TYGON®

Clean Room

TUBES INTERNATIONAL® meets the requirements of very demanding customers by providing highly parameterized hoses and couplings that are used in very specialized and critical applications. The requirements regarding controlled working environment are typical for biotechnological, pharmaceutical, medical, food, computer, aircraft and semi-conductor industry. Our company - a provider of hose and hose assembly solutions for industry, as one of the first in East-Central Europe, has made an effort to ensure the highest standards in terms of cleanliness of assembly, packaging and customizing hoses and hose assemblies. CLEAN ZONE - CLEAN ROOM is equipped with professional appliances that allow effective control of internal and external surface of hoses and hose assemblies, enable secure packaging and customizing of products in controlled working environment.

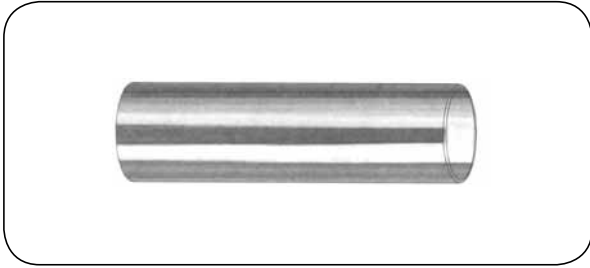
Today such hose features as: purity, mirror like surface, crystal clear surface, transparency, smoothness take on a new light in TUBES INTERNATIONAL®.

Please contact us if you are interested in the subject or require any additional information.

TYGON®, silicone or PTFE hoses can be assembled with various fittings. Hose assemblies that we make are clean and tight. They come in special heat sealed packaging that prevents contamination with dirt or dust from outside. The hoses are always packed and labeled with all important information on the hose (hose assembly): code (set number), LOT number, length, date of packaging, assembled fittings, etc. We can match the hose (hose assembly) to a specific application when we are provided with information on medium, working pressure and temperature, hose diameter and any other essential working conditions.



INDUSTRIAL HOSES - TYGON®



TYGON® S3™ E-3603

Max. working temp.: +74°C
Brittle temp.: -46°C
Hardness: 56° Shore (A)
Density: 1.21 g/cm³
Key features: General purpose, peristaltic pumps

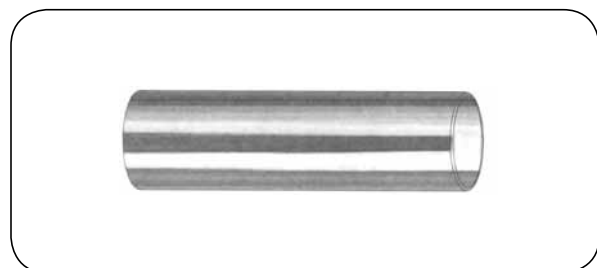
Crystal clear, flexible tubing for laboratory application. The glassy-smooth, non-porous internal surface helps to prevent impurities from adhering or building-up inside the tubing and facilitates cleaning. Total lot-to-lot consistency of tubing parameters. Phthalate-free and BPA-free (Bisphenol A-free). Steam sterilization and ethylene oxide sterilization. Meets the requirements of FDA, 3-A, NSF-51, USP Class VI as well as EU standards: 1935/2004/EC and 10/2011/EU. Complies with the requirements of REACH and of Japanese Food Sanitation Law # 370/1959. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-ACF00001	0.8	2.4	0.8	4.8	760	3.2
VE-ACF00002	1.6	3.2	0.8	2.5	760	6.4
VE-ACF00003	1.6	4.8	1.6	4.8	760	3.2
VE-ACF00004	2.4	4	0.8	1.7	760	9.5
VE-ACF00005	2.4	5.6	1.6	3.2	760	6.4
VE-ACF00006	3.2	4.8	0.8	1.4	508	12.7
VE-ACF00007	3.2	6.4	1.6	2.5	760	9.5
VE-ACF00009	4	5.6	0.8	1.2	305	9.5
VE-ACF00010	4	7.1	1.6	2.1	760	12.7
VE-ACF00011	4.8	6.4	0.8	1	229	25.4
VE-ACF00012	4.8	7.9	1.6	1.7	760	15.9
VE-ACF00013	4.8	9.5	2.4	2.5	760	12.7
VE-ACF00014	4.8	11.1	3.2	3.2	760	9.5
VE-ACF00016	6.4	7.9	0.8	0.8	127	41.3
VE-ACF00017	6.4	9.5	1.6	1.4	508	25.4
VE-ACF00018	6.4	11.1	2.4	1.9	760	19
VE-ACF00019	6.4	12.7	3.2	2.5	760	12.7
VE-ACF00022	7.9	11.1	1.6	1.2	330	34.9
VE-ACF00023	7.9	12.7	2.4	1.6	760	25.4
VE-ACF00024	7.9	14.3	3.2	2.1	760	22.2
VE-ACF00025	7.9	15.9	4	2.5	760	19
VE-ACF00027	9.5	12.7	1.6	1	229	38.1
VE-ACF00028	9.5	14.3	2.4	1.4	533	34.9
VE-ACF00029	9.5	15.9	3.2	1.7	760	28.6
VE-ACF00032	11.1	14.3	1.6	0.9	178	57.2
VE-ACF00033	11.1	15.9	2.4	1.2	381	44.4
VE-ACF00034	11.1	17.5	3.2	1.5	711	34.9
VE-ACF00036	12.7	15.9	1.6	0.8	127	73
VE-ACF00037	12.7	17.5	2.4	1	305	57.2
VE-ACF00038	12.7	19	3.2	1.4	533	38.1
VE-ACF00039	12.7	20.6	4	1.7	760	38.1
VE-ACF00041	14.3	19	2.4	1	229	63.5
VE-ACF00042	14.3	20.6	3.2	1.2	432	50.8
VE-ACF00045	15.9	20.6	2.4	0.9	178	76.2
VE-ACF00046	15.9	22.2	3.2	1.2	330	60.3
VE-ACF00047	15.9	23.8	4	1.4	533	50.8
VE-ACF00050	17.5	22.2	2.4	0.8	152	88.9
VE-ACF00053	19	25.4	3.2	1	229	82.6
VE-ACF00054	19	27	4	1.2	381	69.8
VE-ACF00055	19	28.6	4.8	1.4	533	60.3
VE-ACF00057	19	31.8	6.4	1.7	760	50.8

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TYGON® S3™ E-3603 - table follow up

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-ACF00059	22.2	28.6	3.2	0.9	178	104.8
VE-ACF00060	22.2	30.2	4	1	279	88.9
VE-ACF00062	25.4	31.8	3.2	0.8	127	120.6
VE-ACF00064	25.4	34.9	4.8	1.1	305	101.6
VE-ACF00065	25.4	38.1	6.4	1.4	533	76.2
VE-ACF00068	28.6	38.1	4.8	1	229	114.3
VE-ACF00069	31.8	38.1	3.2	0.7	76	200
VE-ACF00070	31.8	41.3	4.8	0.9	178	139.7
VE-ACF00073	38.1	47.6	4.8	0.8	127	184.2
VE-ACF00074	38.1	50.8	6.4	1	229	149.2
VE-ACF00076	44.4	57.2	6.4	0.9	178	190.5
VE-ACF00078	50.8	63.5	6.4	0.8	127	238.1
VE-ACF1S1502	2	4	1	2.5	760	7
VE-ACF1S1517	3	5	1	1.7	760	13
VE-ACF1S1518	4	6	1	1.4	533	16
VE-ACF1S1503	5	8	1.5	1.6	760	19
VE-ACF1S1504	6	9	1.5	1.4	559	22
VE-ACF1S1506	8	12	2	1.4	533	29



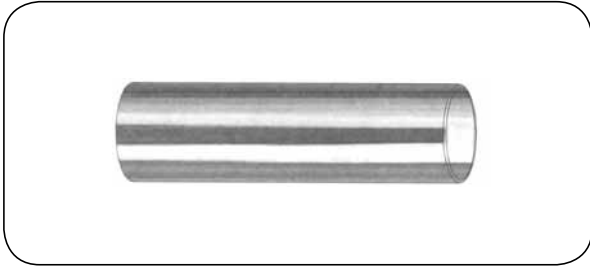
TYGON® S3™ E-LFL

Max. working temp.: +74°C
Brittle temp.: -46°C
Hardness: 56° Shore (A)
Density: 1.17 g/cm³
Key features: Peristaltic pumps

Crystal clear tubing widely used in food, cosmetic, pharmaceutical and chemical industry due to its outstanding resistance to abrasion, spallation, ageing and chemicals. It is non-toxic. Phthalate-free and BPA-free (Bisphenol A-free). Steam sterilization and ethylene oxide sterilization. Meets the requirements of USP Class VI, FDA, 3-A, NSF-51, ISO10993 as well as EU standards: 1935/2004/EC and 10/2011/EU. The tubing is also compliant with REACH and Japanese Food Sanitation Law # 370/1959. Tubing length 7.5 m (from Ø 19 mm - 3 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-AVX42003	1.6	4.8	1.6	3.5	760	6
VE-AVX42007	3.2	6.4	1.6	2.3	760	13
VE-AVX42012	4.8	8	1.6	1.7	760	19
VE-AVX42017	6.4	9.6	1.6	1.4	381	25
VE-AVX42019	6.4	12.8	3.2	2.4	760	19
VE-AVX42022	8	11.2	1.6	1.1	254	32
VE-AVX42029	9.5	15.9	3.2	1.7	760	25
VE-AVX42038	12.7	19.1	3.2	1.4	508	38
VE-AVX06057	19	31.8	6.4	1.7	760	44
VE-AVX06064	25.4	35	4.8	1	127	83

INDUSTRIAL HOSES - TYGON®



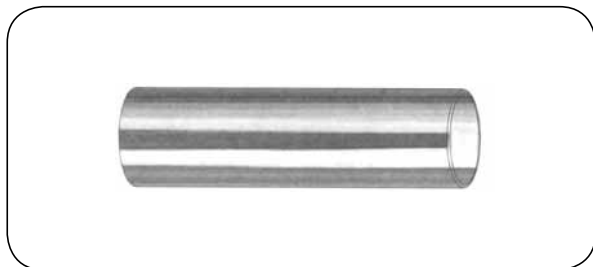
TYGON® S3™ B-44-3

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 66° Shore (A)
Density: 1.21 g/cm³
Key features: General purpose food hose, phthalate free

Clear as glass, lightweight, flexible, phthalate-free tubing. Resistant to a wide range of chemicals. Steam sterilization and ethylene oxide sterilization. Suitable for peristaltic pumps. Meets the requirements of FDA, NSF-51, NSF-61, 3-A, EU:1935/2004/EC, 10/2011EU, REACH and of Japanese MHLW 370/3-D standard . Tubing length 15 m (from Ø 50.8 mm – 6m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-AAB00002	1.6	3.2	0.8	4.14	759	6.4
VE-AAB00003	1.6	4.8	1.6	6.89	759	3.2
VE-AAB00004	2.4	4	0.8	2.96	759	9.6
VE-AAB00005	2.4	5.6	1.6	5.1	759	6.4
VE-AAB00006	3.2	4.8	0.8	2.34	635	12.8
VE-AAB00007	3.2	6.4	1.6	4.14	759	9.6
VE-AAB00009	4	5.6	0.8	1.93	406	19
VE-AAB00010	4	7.1	1.6	3.45	759	12.8
VE-AAB00011	4.8	6.4	0.8	1.72	279	25.4
VE-AAB00012	4.8	8	1.6	2.96	759	15.9
VE-AAB00013	4.8	9.6	2.4	4.14	759	12.8
VE-AAB00014	4.8	11.1	3.2	5.1	759	9.6
VE-AAB00016	6.4	8	0.8	1.31	152	41.4
VE-AAB00017	6.4	9.6	1.6	2.34	635	25.4
VE-AAB00018	6.4	11.2	2.4	3.24	759	19
VE-AAB00019	6.4	12.7	3.2	4.14	759	15.9
VE-AAB00022	7.9	11.1	1.6	1.93	406	35
VE-AAB00023	7.9	12.7	2.4	2.76	759	25.4
VE-AAB00024	7.9	14.3	3.2	3.45	759	22.3
VE-AAB00027	9.5	12.7	1.6	1.72	279	44.4
VE-AAB00028	9.5	14.3	2.4	2.34	635	35.3
VE-AAB00029	9.5	15.9	3.2	3.03	759	28.6
VE-AAB00034	11.1	17.5	3.2	2.48	759	35
VE-AAB00036	12.7	15.9	1.6	1.31	152	73.1
VE-AAB00037	12.7	17.5	2.4	1.86	355	54
VE-AAB00038	12.7	19.1	3.2	2.34	635	44.4
VE-AAB00046	15.9	22.3	3.2	2	406	60.4
VE-AAB00051	17.5	23.9	3.2	1.86	330	73.1
VE-AAB00053	19	25.4	3.2	1.72	279	82.6
VE-AAB00059	22.2	28.6	3.2	1.52	203	104.8
VE-AAB00062	25.4	31.8	3.2	1.38	152	130.2
VE-AAB00064	25.4	35	4.8	1.86	355	95.2
VE-AAB00065	25.4	38.1	6.4	2.34	635	76.2
VE-AAB00069	31.8	38.1	3.2	1.1	101	187.4
VE-AAB00070	31.8	41.4	4.8	1.59	228	139.8
VE-AAB00071	31.8	44.4	6.3	1.93	406	111.2
VE-AAB00073	38.1	47.6	4.8	1.31	152	184.2
VE-AAB00074	38.1	50.8	6.4	1.72	279	149.3
VE-AAB00076	44.4	57.2	6.4	1.52	203	190.6
VE-AAB00078	50.8	63.6	6.4	1.31	152	238.2
VE-AAB00080	50.8	76.2	12.7	2.34	635	139.8
VE-AAB00081	57.2	69.8	6.4	1.24	127	285.8

INDUSTRIAL HOSES - TYGON®



TYGON® S3™ B-44-4X

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 66° Shore (A)
Density: 1.21 g/cm³
Key features: General purpose food hose

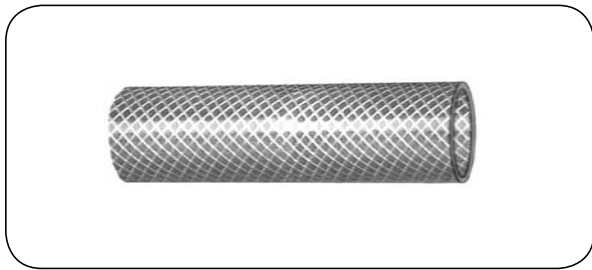
Clear as glass, flexible, taste-free and odour-free, non-toxic tubing. The glassy-smooth, non-porous tubing surface helps to prevent impurities build-up and bacteria growth. Excellent resistance to harsh alkaline cleaners and sanitizers. Steam sterilization and ethylene oxide sterilization. Suitable for peristaltic pumps. Meets the requirements of FDA, NSF-51, NSF-61, 3-A, EU:1935/2004/EC, 10/2011EU, REACH and of Japanese MHLW 370/3-D standard. Tubing length 15 m (from Ø 50.8 mm - 6 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-T4401-13	0.8	2.4	0.8	6.89	759	3
VE-T4402-13	1.6	3.2	0.8	4.14	759	6
VE-T4402-23	1.6	4.8	1.6	6.89	759	3
VE-T4403-13	2.4	4	0.8	2.96	759	10
VE-T4404-13	3.2	4.8	0.8	2.34	635	13
VE-T4404-23	3.2	6.4	1.6	4.14	759	10
VE-T4405-13	4	5.6	0.8	1.93	406	19
VE-T4405-23	4	7.2	1.6	3.45	759	13
VE-T4406-13	4.8	6.4	0.8	1.72	279	25
VE-T4406-23	4.8	8	1.6	2.96	759	16
VE-T4406-33	4.8	9.6	2.4	4.14	759	13
VE-T4408-23	6.4	9.6	1.6	2.34	635	25
VE-T4408-33	6.4	11.2	2.4	3.24	759	19
VE-T4408-43	6.4	12.8	3.2	4.14	759	16
VE-T4410-23	8	11.2	1.6	1.93	406	35
VE-T4410-33	8	12.8	2.4	2.76	759	25
VE-T4410-43	8	14.4	3.2	3.45	759	22
VE-T4410-53	8	16	4	4.14	759	19
VE-T4412-23	9.5	12.7	1.6	1.72	279	44
VE-T4412-33	9.5	14.3	2.4	2.34	635	35
VE-T4412-43	9.5	15.9	3.2	3.03	759	29
VE-T4414-23	11.1	14.3	1.6	1.52	203	57
VE-T4414-33	11.1	15.9	2.4	2.07	482	44
VE-T4416-23	12.7	15.9	1.6	1.31	152	73
VE-T4416-33	12.7	17.5	2.4	1.86	356	54
VE-T4416-43	12.7	19.1	3.2	2.34	635	44
VE-T4416-53	12.7	20.7	4	2.76	759	38
VE-T4420-33	15.9	20.7	2.4	1.59	229	76
VE-T4420-43	15.9	22.3	3.2	2	406	60
VE-T4420-53	15.9	23.8	4	2.41	660	51
VE-T4424-43	19	25.4	3.2	1.72	279	83
VE-T4424-53	19	27	4	2.07	457	70
VE-T4424-63	19	28.6	4.8	2.34	660	60
VE-T4424-83	19	31.8	6.4	2.96	759	51
VE-T4428-43	22.2	28.6	3.2	1.52	203	105
VE-T4432-43	25.4	31.8	3.2	1.38	152	130
VE-T4432-53	25.4	33.3	4	1.65	254	111
VE-T4432-63	25.4	35	4.8	1.86	356	95
VE-T4432-83	25.4	38.2	6.4	2.34	635	76
VE-T4436-43	28.6	35	3.2	1.24	127	159

INDUSTRIAL HOSES - TYGON®

TYGON® B-44-4X - table follow up

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-T4440-63	31.8	41.4	4.8	1.59	229	140
VE-T4448-83	38.1	50.9	6.4	1.72	279	150
VE-T4464-82	50.8	63.6	6.4	1.31	152	238
VE-T4464-163	50.8	76.2	12.7	2.34	635	140
VE-T4480-82	63.5	76.3	6.4	1.1	102	340
VE-T4480-122	63.5	82.5	9.5	1.59	229	254
VE-T4496-82	76.2	89	6.4	0.97	51	457
VE-T4499-162	101.6	127	12.7	1.31	152	432



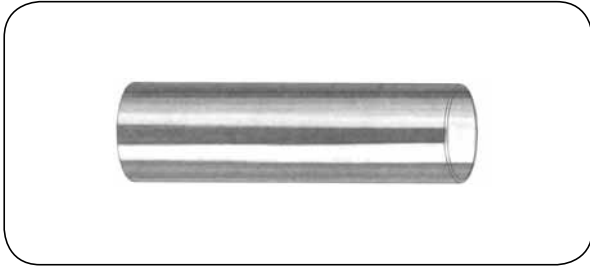
TYGON® S3™ B-44-4X-I.B.

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 66° Shore (A)
Density: 1.21 g/cm³
Key features: General purpose food hose

Flexible, reinforced with polyester braid, non-toxic, taste-free and odour-free tubing. The glassy-smooth, non-porous tubing surface helps to prevent impurities build-up and bacteria growth. Excellent resistance to harsh alkaline cleaners and sanitizers. Ethylene oxide sterilization. Meets the requirements of FDA 21 CFR 175.300, NSF-51, NSF-61, 3-A, Japanese MHLW 370/3-D standard and complies with European REACH standards. Tubing length 15 m (from Ø 38.1 mm - 6 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20° / 70°C [bar]	vacuum 70°C [mm Hg]	bending radius [mm]
VE-T1408-33	6.4	11.2	2.4	17.24 / 6.21	759	38
VE-T1412-43	9.5	15.9	3.2	11.72 / 6.21	635	29
VE-T1416-43	12.7	19.1	3.2	13.79 / 6.55	254	54
VE-T1420-43	15.9	22.3	3.2	11.38 / 7.24	254	60
VE-T1424-43	19	25.4	3.2	10 / 5.86	127	83
VE-T1432-63	25.4	35	4.8	6.89 / 4.14	127	95
VE-T1440-63	31.8	41.4	4.8	5.86 / 3.79	76	140
VE-T1448-83	38.1	50.9	6.4	5.17 / 3.1	51	149
VE-T1464-122	50.8	70	9.6	4.14 / 2.76	25	175
VE-T1496-122	76.2	95.2	9.5	2.76 / 1.72	25	337

INDUSTRIAL HOSES - TYGON®

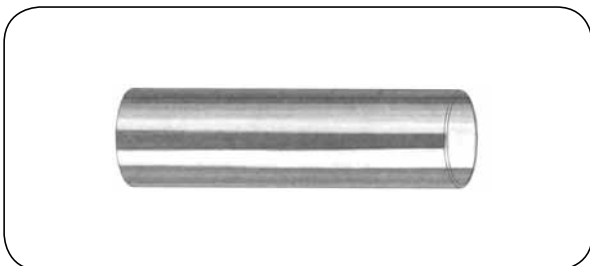


TYGON® S3™ M-34-R

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 66° Shore (A)
Density: 1.21 g/cm³
Key features: For milk and dairy products transfer

Clear as glass, flexible, phthalate-free tubing. The smooth, non-porous tubing internal surface inhibits fats and other particle entrapment, which may cause bacteria growth. Meets the requirements of FDA 21 CFR 175.300, REACH standards as well as EU Regulations 1935/2004/EC and 10/2011/EU. Tubing length 30 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-ACK02035	11.1	19	4	3.1	759	28.6
VE-ACK02039	12.7	20.7	4	2.76	759	38.1
VE-ACK02043	14.3	23.9	4.8	2.96	759	38.1
VE-ACK02048	15.9	25.4	4.8	2.76	759	44.4
VE-ACK02056	19	29.7	5.35	2.48	759	57.3
VE-ACK02061	22.2	34.9	6.4	2.62	759	63.5
VE-ACK02065	25.4	38.1	6.4	2.34	635	76.2



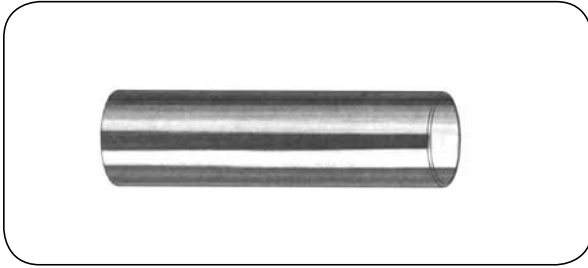
TYGON® S3™ A24

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 56° Shore (A)
Density: 1.21 g/cm³
Key features: For milk and dairy products transfer

Phthalate-free tubing intended to convey air in automatic milking systems, resists full vacuum. As the tubing is crystal clear, the backflow of milk into the air lines can be easily detected. The tubing is designed to work with Tygon® S3™ M-34-R tubing in automatic milking process. Meets the requirements of FDA 21 CFR 175.300, NSF-51, 3-A and Japanese MHLW 370/3-D standard. Black tubing (Tygon A24-C) and twin tubing is available as well. Tubing length 30 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-ACR02019	6.4	12.7	3.2	1.72	759	28.6
VE-ACR02021	7.2	13.5	3.2	1.72	759	28.6
VE-ACR02029	9.5	16	3.2	1.72	759	28.6
VE-ACR02034	11.1	17.5	3.2	1.72	759	28.6
VE-ACR02038	12.7	19	3.2	1.72	759	28.6

INDUSTRIAL HOSES - TYGON®

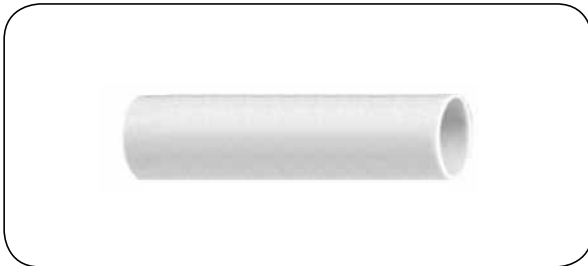


TYGON® XL-60

Max. working temp.: +121°C
Brittle temp.: -66°C
Hardness: 60° Shore (A)
Density: 0.9 g/cm³
Key features: Peristaltic pumps

Lightweight, flexible, transparent and phthalate-free tubing (meets the requirements of EU 2002/72/EEC for materials that come into contact with food). Extremely flexible, resistant to ozone, oxygen and ageing. Resistant to most acids and bases. Not suitable for media containing fat. Steam, ethylene oxide or radiation sterilization. Meets 94-HB flammability rating. Additionally, it is compliant with the following standards: FDA 21 CFR 177.1210, NSF-51 and UE:1935/2004/EC, 10/2011EU.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press.20°C [bar]	vacuum [mm Hg]	standard length [m]
VE-AN800003	1.6	4.8	1.6	2.4	759	15
VE-AN800007	3.2	6.4	1.6	1.4	759	15
VE-AN800012	4.8	8	1.6	0.9	759	15
VE-AN800017	6.4	9.6	1.6	1	759	15
VE-AN800022	8	11.2	1.6	0.8	508	15
VE-AN800027	9.5	12.7	1.6	0.8	381	15
VE-AN800038	12.7	19.1	3.2	1	759	15
VE-AN800046	15.9	22.3	3.2	0.8	508	15
VE-AN800053	19	25.4	3.2	0.8	508	15



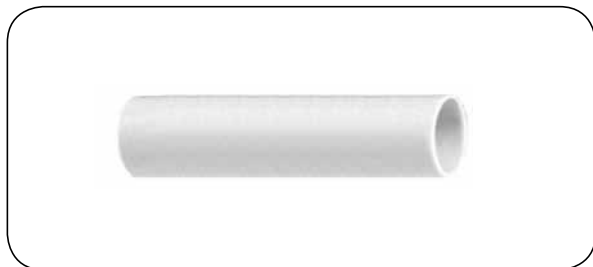
TYGON® A-60-F I.B.

Max. working temp.: +135°C
Brittle temp.: -60°C
Hardness: 61° Shore (A)
Density: 0.98 g/cm³
Key features: General purpose food hose

Beige, flexible tubing with polyester braid reinforcement. Taste and odour-free. Resistant to cleaners, sanitizers (hydrogen peroxide, sodium hypochlorite), bases, ageing, ozone and UV radiation. Steam, ethylene oxide or radiation sterilization. Complies with FDA 21 CFR 177.2600, 3-A, REACH and NSF 51. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 80°C [mm Hg]	bending radius [mm]
VE-APW00019	6.4	12.8	3.2	8.62 / 4.83	759	19
VE-APW00029	9.5	15.9	3.2	7.24 / 4.48	508	32
VE-APW00038	12.7	19.1	3.2	6.89 / 4.14	381	57
VE-APW00046	15.9	22.3	3.2	6.55 / 3.79	254	63
VE-APW00054	19	26.9	3.95	5.86 / 3.1	127	83
VE-APW00064	25.4	34.9	4.75	5.15 / 2.76	178	127

INDUSTRIAL HOSES - TYGON®



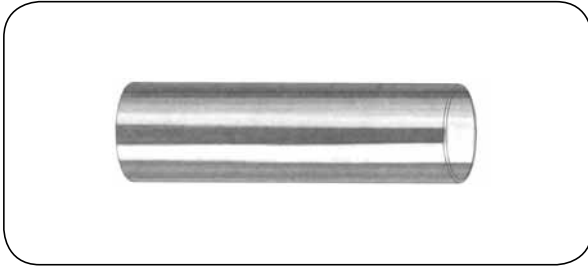
TYGON® A-60-F

Max. working temp.: +135°C
Brittle temp.: -60°C
Hardness: 61° Shore (A)
Density: 0.98 g/cm³
Key features: General purpose food hose, peristaltic pumps

Beige, taste-free and odour-free, exceptionally flexible tubing resistant to deformation. Resistant to cleaners, sanitizers, bases, ageing, ozone and UV radiation. Steam, ethylene oxide or radiation sterilization. Complies with FDA 21 CFR 177.2600, 3-A, REACH and NSF 51. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 80°C [mm Hg]	bending radius [mm]
imperial size						
VE-R6F02-23	1.6	4.8	1.6	2.34 / 1.45	759	6
VE-R6F04-23	3.2	6.4	1.6	1.31 / 0.83	759	13
VE-R6F06-23	4.8	8	1.6	0.90 / 0.55	584	19
VE-R6F08-23	6.4	9.6	1.6	0.69 / 0.41	330	32
VE-R6F08-43	6.4	12.8	3.2	1.31 / 0.83	759	19
VE-R6F10-23	8	11.2	1.6	0.55 / 0.34	203	38
VE-R6F12-23	9.5	12.7	1.6	0.48 / 0.28	127	57
VE-R6F12-43	9.5	15.9	3.2	0.9 / 0.55	584	32
VE-R6F16-43	12.7	19.1	3.2	0.69 / 0.41	330	51
VE-R6F20-43	15.9	22.3	3.2	0.55 / 0.34	203	83
VE-R6F24-43	19	25.4	3.2	0.48 / 0.28	127	102
metric size						
VE-R6F0C-103	3	5	1	0.97 / 0.62	584	13
VE-R6F0D-103	4	6	1	0.76 / 0.48	330	19
VE-R6F0G-203	4	8	2	1.38 / 0.90	759	13
VE-R6F0J-203	6	10	2	0.97 / 0.62	610	19
VE-R6F0L-203	7	11	2	0.83 / 0.55	432	25
VE-R6F0N-203	8	12	2	0.76 / 0.48	330	32
VE-R6F0P-203	10	14	2	0.62 / 0.41	203	44

INDUSTRIAL HOSES - TYGON®

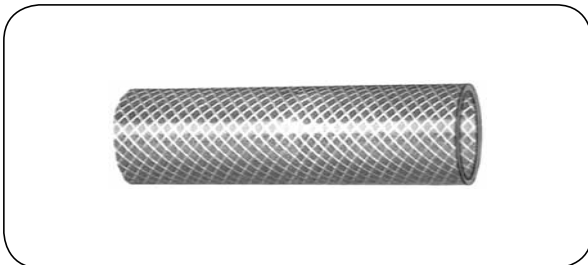


TYGON® 2475

Max. working temp.: +52°C
Brittle temp.: -78°C
Hardness: 72° Shore (A)
Density: 0.90 g/cm³
Key features: Hydrophobic,
 chemical resistance

Transparent, flexible tubing resists the absorption/adsorption of aqueous fluids. The rate of particle migration through the tubing wall is very low. Lack of plasticizers prevents potential contamination of the fluid flowing through the tubing. Ethylene oxide or radiation sterilization up to 2.5 MRad. Meets the requirements of FDA and USP class VI. Tubing length 15 m (Ø 25.4 mm - 7.5 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-ACG00003	1.6	4.8	1.6	5.86	759	3
VE-ACG00007	3.2	6.4	1.6	3.44	759	6
VE-ACG00012	4.8	8	1.6	2.75	759	13
VE-ACG00017	6.4	9.6	1.6	2.06	759	19
VE-ACG00022	8	11.2	1.6	1.24	759	35
VE-ACG00027	9.5	12.7	1.6	1.37	635	44
VE-ACG00038	12.7	19.1	3.2	1.99	759	38
VE-ACG00046	15.9	22.3	3.2	1.72	759	57
VE-ACG00053	19	25.4	3.2	1.44	759	86
VE-ACG42064	25.4	35	4.8	1.37	759	76



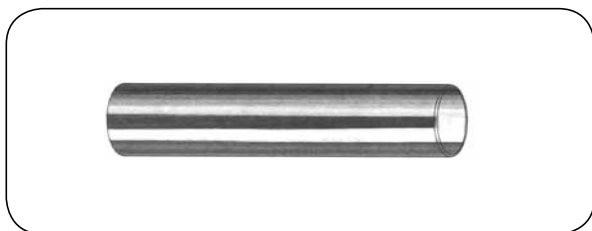
TYGON® 2475 I.B.

Max. working temp.: +52°C
Brittle temp.: -78°C
Hardness: 72° Shore (A)
Density: 0.90 g/cm³
Key features: Hydrophobic,
 chemical resistance

Translucent, flexible tubing resists the absorption/adsorption of aqueous fluids. The rate of particle migration through the tubing wall is very low. Lack of plasticizers prevents potential contamination of the fluid flowing through the tubing. Ethylene oxide or radiation sterilization up to 2.5 MRad. Meets the requirements of FDA and USP class VI. Tubing length 15 m (Ø 25.4 mm - 7.5 m, Ø 38 mm - 3 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-ACX00019	6.4	12.8	3.2	15.5	759	10
VE-ACX00029	9.5	15.9	3.2	14.5	759	25
VE-ACX00038	12.7	19.1	3.2	15.9	759	25
VE-ACX00046	15.9	22.3	3.2	9.3	759	44
VE-ACX00054	19	27	4	9.3	759	32
VE-ACX42064	25.4	35	4.8	8.6	759	89

INDUSTRIAL HOSES - TYGON®



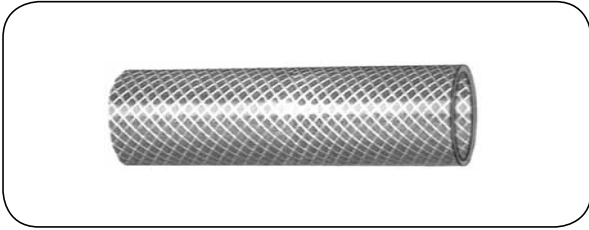
TYGON® 3350

Max. working temp.: +204°C
Brittle temp.: -80°C
Hardness: 50° Shore (A)
Density: 1.14 g/cm³
Key features: Pharmacology and biotechnology application

Translucent, flexible silicone tubing made of platinum cured silicone. The tubing features excellent flow rates, facilitates cleaning, prevents bacteria build-up and growth. It is non-toxic, non-haemolytic and non-pyrogenic. Steam, ethylene oxide or radiation sterilization up to 2.5 MRad. Meets the requirements of: FDA 21 CFR Part 177.2600; 3-A; NSF-51 and ISO10993 for use in contact with blood (body fluids, tissue) up to the maximum period of 30 days. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 160°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
imperial size						
VE-T3301-13	0.8	2.4	0.8	1.54 / 1.47	759	3
VE-T3302-13	1.6	3.2	0.8	0.98 / 0.91	759	6
VE-T3302-23	1.6	4.8	1.6	1.54 / 1.47	759	6
VE-T3303-13	2.4	4	0.8	0.77 / 0.7	759	6
VE-T3303-23	2.4	5.6	1.6	1.26 / 1.12	759	6
VE-T3304-13	3.2	4.8	0.8	0.63 / 0.56	508	10
VE-T3304-23	3.2	6.4	1.6	0.98 / 0.91	759	13
VE-T3305-13	4	5.6	0.8	0.49 / 0.42	254	19
VE-T3306-13	4.8	6.4	0.8	0.49 / 0.42	127	25
VE-T3306-23	4.8	8	1.6	0.77 / 0.7	635	13
VE-T3306-33	4.8	9.6	2.4	0.98 / 0.91	759	10
VE-T3306-43	4.8	11.2	3.2	1.26 / 1.12	759	10
VE-T3308-13	6.4	8	0.8	0.35 / 0.28	254	38
VE-T3308-23	6.4	9.6	1.6	0.63 / 0.56	381	19
VE-T3308-33	6.4	11.2	2.4	0.84 / 0.77	759	16
VE-T3308-43	6.4	12.8	3.2	0.98 / 0.91	759	16
VE-T3310-23	8	11.2	1.6	0.49 / 0.42	127	32
VE-T3310-33	8	12.8	2.4	0.70 / 0.63	508	16
VE-T3312-23	9.5	12.7	1.6	0.63 / 0.56	127	38
VE-T3312-33	9.5	14.3	2.4	0.77 / 0.70	508	25
VE-T3312-43	9.5	15.9	3.2	0.84 / 0.77	759	25
VE-T3314-23	11.1	14.3	1.6	0.28 / 0.21	508	38
VE-T3314-33	11.1	15.9	2.4	0.56 / 0.49	254	45
VE-T3316-23	12.7	15.9	1.6	0.35 / 0.28	254	76
VE-T3316-33	12.7	17.5	2.4	0.42 / 0.36	127	45
VE-T3316-43	12.7	19.1	3.2	0.63 / 0.56	381	38
VE-T3320-33	15.9	20.7	2.4	0.42 / 0.3	127	76
VE-T3320-43	15.9	22.3	3.2	0.49 / 0.36	254	63
VE-T3324-43	19	25.4	3.2	0.49 / 0.36	254	63
VE-T3332-43	25.4	31.8	3.2	0.35 / 0.28	254	127
VE-T3340-43	31.8	38.2	3.2	0.35 / 0.28	254	152
VE-T3348-83	38.1	50.9	6.4	0.42 / 0.35	254	177
metric size						
VE-T330A-053	1	2	0.5	0.61 / 0.54	759	9
VE-T330B-103	2	4	1	0.61 / 0.54	759	13
VE-T330H-153	5	8	1.5	0.47 / 0.4	635	19
VE-T330I-153	6	9	1.5	0.4 / 0.34	381	22
VE-T330L-153	7	10	1.5	0.4 / 0.34	254	25
VE-T330N-203	8	12	2	0.4 / 0.34	381	38
VE-T330P-203	10	14	2	0.37 / 0.3	127	51
VE-T330Q-203	12	16	2	0.34 / 0.27	127	63
VE-T330S-303	18	24	3	0.34 / 0.27	127	76

INDUSTRIAL HOSES - TYGON®

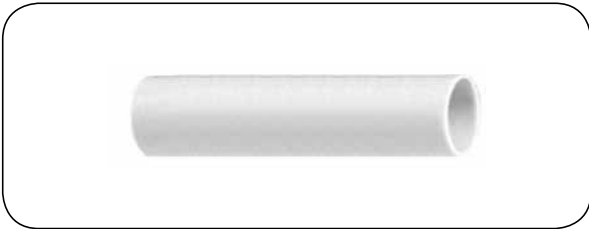


TYGON® 3370 I.B.

Max. working temp.: +160°C
Brittle temp.: -80°C
Hardness: 70° Shore (A)
Density: 1.18 g/cm³
Key features: Pharmacology and biotechnology application

Translucent, flexible, silicone tubing with polyester braid reinforcement. The inner wall surface is manufactured using platinum curing process. It is non-toxic, non-haemolytic and non-pyrogenic. The tubing features excellent flow rates, facilitates cleaning, prevents bacteria build-up and growth. Withstands repeated CIP and SIP cleaning and sterilization. Steam, ethylene oxide or radiation sterilization up to 5 MRad. Meets the requirements: FDA 21 CFR Part 177.2600; NSF-51; 3-A No18-01. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 160°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-T1306-43	4.8	11.3	3.25	11.56 / 8.5	759	6
VE-T1308-43	6.4	13.2	3.4	10.2 / 7.14	759	13
VE-T1312-43	9.6	17.6	3.96	8.84 / 6.46	759	19
VE-T1316-63	12.7	21.5	4.4	8.5 / 6.12	759	32
VE-T1320-63	15.9	24.9	4.5	7.48 / 5.44	759	38
VE-T1324-63	19	29.2	5.08	6.8 / 5.1	759	57
VE-T1332-63	25.4	35.3	4.96	4.76 / 3.4	381	89
VE-T1340-63	31.8	41.6	4.9	3.74 / 2.72	254	146
VE-T1348-66	38.1	47.9	5	2.72 / 2.04	127	171



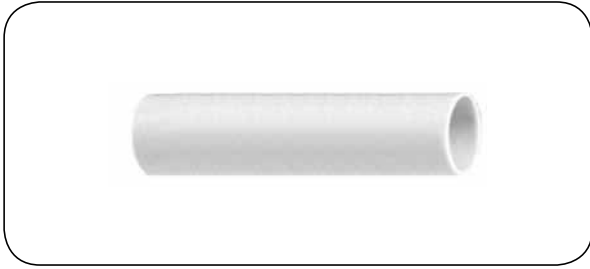
PHARMA PURE

Max. working temp.: +135°C
Brittle temp.: -67°C
Hardness: 65° Shore (A)
Density: 0.92 g/cm³
Key features: Pharmacology, peristaltic pumps

Lightweight, flexible tubing with very smooth inner surface which prevents impurities build-up. The tubing is only very slightly permeable to gases. Steam (withstands repeated autoclave sterilization), ethylene oxide or radiation sterilization up to 2.5 MRad. Meets the requirements of FDA 21 CFR Part 177.2600, USP class VI, European Pharmacopoeia 3.2.9. Tubing length 7.62 m.

code	I.D. [mm]	O.D. [mm]	working press. 20°C / 80°C [bar]	vacuum 20°C / 80°C [bar]	bending radius [mm]
VE-AL242606	0.8	4.0	2.6 / 1.6	1 / 1	13
VE-AL242002	1.6	3.2	1.4 / 0.9	1 / 1	13
VE-AL242003	1.6	4.8	1.9 / 1.2	1 / 1	13
VE-AL242005	2.4	5.6	1.9 / 0.9	1 / 1	13
VE-AL242006	3.2	4.8	0.7 / 0.6	1 / 0.3	19
VE-AL242007	3.2	6.4	1.6 / 0.8	1 / 1	19
VE-AL242012	4.8	8.0	1.4 / 0.7	1 / 0.85	19
VE-AL242017	6.4	9.6	1 / 0.5	1 / 0.51	32
VE-AL242019	6.4	12.7	1.8 / 0.9	1 / 1	32
VE-AL242022	8.0	11.1	0.9 / 0.5	1 / 0.34	38
VE-AL242027	9.6	12.7	0.7 / 0.4	0.51 / 0.17	44
VE-AL242029	9.6	15.9	1.3 / 0.7	1 / 1	38
VE-AL242038	12.7	19.1	1 / 0.5	1 / 0.68	64
VE-AL242046	15.9	22.3	0.8 / 0.4	0.85 / 0.33	70
VE-AL242053	19.1	25.4	0.7 / 0.3	0.51 / 0.17	95

INDUSTRIAL HOSES - TYGON®



PHARMED® BPT

Max. working temp.: +135°C
Brittle temp.: -75°C
Hardness: 64° Shore (A)
Density: 0.98 g/cm³
Key features: Pharmacology and medical application, peristaltic pumps

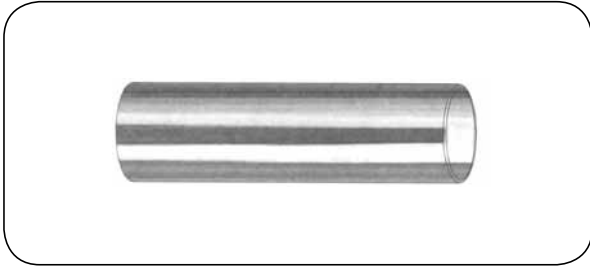
Beige, flexible tubing manufactured in compliance with ISO 10993 standard ensures full biological safety. The tubing can be exposed to gamma radiation (isotope of cobalt 60) up to 5 MRad with no significant change to physical properties. Steam sterilization and ethylene oxide sterilization is also acceptable. Complies with FDA 21 CFR 177.2600, NSF-51, USP class VI and ISO 10993. Tubing length 7.5 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-R650E-26BPT	0.5	3.7	1.6	7.93 / 4.94	759	3
VE-R6501-26BPT	0.8	4	1.6	5.37 / 3.37	759	3
VE-R6502-16BPT	1.6	3.2	0.8	1.65 / 0.96	759	6
VE-R6502-26BPT	1.6	4.8	1.6	2.96 / 1.86	759	3
VE-R6503-26BPT	2.4	5.6	1.6	2.06 / 1.31	759	6
VE-R6504-16BPT	3.2	4.8	0.8	0.89 / 0.55	635	12
VE-R6504-26BPT	3.2	6.4	1.6	1.65 / 1.03	759	12
VE-R6506-26BPT	4.8	8	1.6	1.17 / 0.68	759	16
VE-R6508-26BPT	6.4	9.5	1.6	0.89 / 0.55	635	22
VE-R6508-46BPT	6.4	12.7	3.2	1.65 / 1.03	759	19
VE-R6510-26BPT	8	11.2	1.6	0.75 / 0.41	381	35
VE-R6512-26BPT	9.5	12.7	1.6	0.62 / 0.34	254	34
VE-R6512-46BPT	9.5	15.9	3.2	1.17 / 0.68	759	29
VE-R6516-46BPT	12.7	19.1	3.2	0.68 / 0.55	635	29
VE-R6520-46BPT	15.9	22.2	3.2	0.75 / 0.41	381	70
VE-R6524-46BPT	19	25.4	3.2	0.62 / 0.34	254	89



Silicone and TYGON® hoses are also available as hose assemblies with fittings according to customer specifications.

INDUSTRIAL HOSES - TYGON®



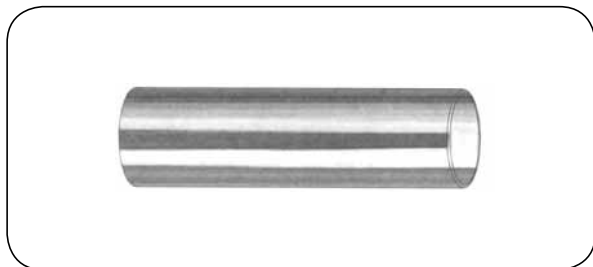
TYGON® ND100-65

Max. working temp.: +74°C
Brittle temp.: -42°C
Hardness: 65° Shore (A)
Density: 1.19 g/cm³
Key features: Medical application, peristaltic pumps

Clear as glass, flexible, phthalate-free and biocompatible tubing. Manufactured in compliance with ISO 10993 standard ensures full biological safety. Because of its construction, the tubing is particularly recommended for blood transport, dialysis equipment, wound drainage, etc. Steam, ethylene oxide or radiation sterilization up to 5 MRad. Meets the requirements of USP Class VI, European Pharmacopoeia 3.1.1.2, ISO 10993 as well as European REACH standards. Tubing length 15 m.

code	I.D. [mm]	tolerance [mm]	O.D. [mm]	tolerance [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-ADF00001	0.8	0.05	2.4	0.08	0.8	6.84	759	3
VE-ADF00002	1.6	0.08	3.2	0.13	0.8	3.74	759	6
VE-ADF00003	1.6	0.08	4.8	0.13	1.6	6.84	759	3
VE-ADF00004	2.4	0.08	4	0.13	0.8	2.04	759	10
VE-ADF00005	2.4	0.08	5.6	0.13	1.6	4.76	759	6
VE-ADF00006	3.2	0.13	4.8	0.13	0.8	2.04	635	13
VE-ADF00007	3.2	0.13	6.4	0.13	1.6	3.74	759	10
VE-ADF00009	4	0.13	5.6	0.13	0.8	1.7	381	19
VE-ADF00010	4	0.13	7.2	0.13	1.6	3.06	759	13
VE-ADF00011	4.8	0.13	6.4	0.13	0.8	1.36	254	25
VE-ADF00012	4.8	0.13	8	0.2	1.6	2.72	759	16
VE-ADF00013	4.8	0.13	9.6	0.2	2.4	3.74	759	13
VE-ADF00014	4.8	0.13	11.2	0.2	3.2	4.76	759	10
VE-ADF00016	6.4	0.13	8	0.2	0.8	1.22	127	41
VE-ADF00017	6.4	0.13	9.6	0.2	1.6	2.04	635	25
VE-ADF00018	6.4	0.13	11.2	0.2	2.4	3.06	759	19
VE-ADF00019	6.4	0.13	12.8	0.25	3.2	3.74	759	15
VE-ADF00022	8	0.2	11.2	0.2	1.6	1.7	381	34
VE-ADF00023	8	0.2	12.8	0.25	2.4	2.38	759	25
VE-ADF00024	8	0.2	14.4	0.25	3.2	3.06	759	22
VE-ADF00027	9.5	0.2	12.7	0.25	1.6	1.36	254	44
VE-ADF00028	9.5	0.2	14.3	0.25	2.4	2.04	635	34
VE-ADF00029	9.5	0.2	15.9	0.25	3.2	2.72	759	28
VE-ADF00032	11.1	0.2	14.3	0.25	1.6	1.36	203	57
VE-ADF00033	11.1	0.2	15.9	0.25	2.4	1.7	457	44
VE-ADF00034	11.1	0.2	17.5	0.25	3.2	2.38	759	35
VE-ADF00036	12.7	0.25	15.9	0.25	1.6	1.22	152	73
VE-ADF00037	12.7	0.25	17.5	0.25	2.4	1.70	381	54
VE-ADF00038	12.7	0.25	19.1	0.25	3.2	2.04	635	44
VE-ADF00041	14.3	0.25	19.1	0.25	2.4	1.36	254	63
VE-ADF00045	15.9	0.25	20.7	0.25	2.4	1.36	229	76
VE-ADF00046	15.9	0.25	22.3	0.25	3.2	1.7	381	69
VE-ADF00047	15.9	0.25	23.9	0.25	4	2.04	635	51
VE-ADF00053	19	0.25	25.4	0.38	3.2	1.36	254	83
VE-ADF00059	22.2	0.25	28.6	0.38	3.2	1.36	203	105
VE-ADF00062	25.4	0.38	31.8	0.38	3.2	1.22	127	130

INDUSTRIAL HOSES - TYGON®

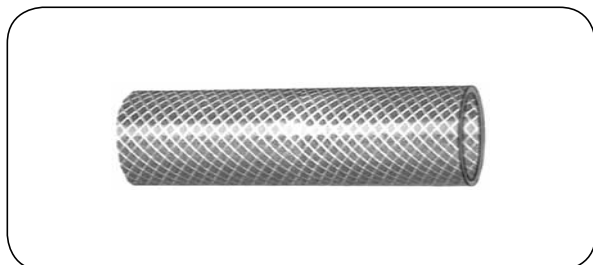


VERSILON™ E-1000

Max. working temp.: +52°C
Brittle temp.: -55°C
Hardness: 40° Shore (A)
Density: 1.1 g/cm³
Key features: General purpose laboratory hose

Transparent, plasticizer-free, soft and flexible tubing highly resistant to aggressive chemicals. Because the tubing has a very low hardness level, it is ideal for low torque or battery-powered peristaltic pumps. Ethylene oxide sterilization. Suitable for viscous media. Meets the requirements of FDA, NSF-51, REACH standards. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-ADK00003	1.6	4.8	1.6	1.8	760	3.2
VE-ADK00007	3.2	6.4	1.6	1.1	760	9.5
VE-ADK00012	4.8	7.9	1.6	0.7	381	15.9
VE-ADK00017	6.4	9.5	1.6	0.6	178	25.4
VE-ADK00019	6.4	12.7	3.2	0.9	760	15.9
VE-ADK00022	7.9	11.1	1.6	0.5	127	34.92
VE-ADK00027	9.5	12.7	1.6	0.5	76	44.45
VE-ADK00029	9.5	15.9	3.2	0.8	381	28.57
VE-ADK00036	12.7	15.9	1.6	0.4	51	73.02
VE-ADK00038	12.7	19.0	3.2	0.6	178	44.45



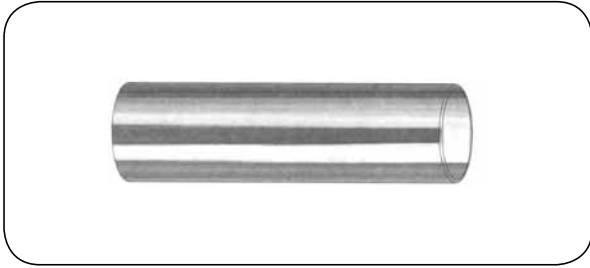
VERSILON™ C-544A I.B.

Max. working temp.: +82°C
Brittle temp.: -73°C
Hardness: 85° Shore (A)
Density: 1.12 g/cm³
Key features: General purpose polyurethane hose

Translucent, flexible tubing with polyester braid reinforcement. A superb standard of consistency of dimensions in every production process facilitates proper and leak-tight assembly. High tear strength and excellent abrasion resistance make it an ideal solution for fuel and lubricant lines, pneumatic lines, pneumatic transfer of abrasive products, cable jacketing and many other industrial applications. Meets the requirements of FDA 21 CFR, 177.1680 i 177.2600 and NSF-61. Tubing length 30 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 80°C [mm Hg]	bending radius [mm]
VE-AZY02008	3.2	9.6	3.2	15.51 / 10.34	759	13
VE-AZY02019	6.4	12.8	3.2	18.96 / 10.34	759	19
VE-AZY02029	9.5	15.9	3.2	14.13 / 7.93	759	38
VE-AZY02038	12.7	19.1	3.2	13.44 / 7.58	759	51
VE-AZY02046	15.9	22.3	3.2	12.07 / 7.24	635	76
VE-AZY02054	19	27	4	10.34 / 6.89	635	89
VE-AZY02064	25.5	35.1	4.8	8.27 / 5.52	381	148
VE-AZY00071	31.8	44.6	6.4	6.55 / 4.48	508	152
VE-AZY00074	38.1	50.9	6.4	5.52 / 3.45	381	190
VE-AZY00078	50.8	63.6	6.4	4.83 / 2.76	254	330

INDUSTRIAL HOSES - TYGON®



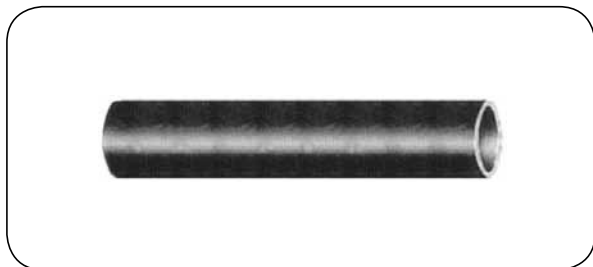
VERSILON™ C-210A

Max. working temp.: +93°C
Brittle temp.: -73°C
Hardness: 82° Shore (A)
Density: 1.2 g/cm³
Key features: General purpose polyurethane hose

Transparent, flexible tubing with high tear strength and abrasion resistance. A superb standard of consistency of dimensions in every production process facilitates proper and leak-tight assembly. Widely used in many branches of industry and in particular, in fuel and lubricant lines, pneumatic lines, pneumatic transfer of abrasive products or as cable jacketing. Tubing length 30 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 80°C [mm Hg]	bending radius [mm]
VE-T9502-14	1.6	3.2	0.8	4.83 / 2.76	759	5
VE-T9504-14	3.2	4.8	0.8	3.1 / 1.72	759	13
VE-T9504-24	3.2	6.4	1.6	5.1 / 3.1	759	8
VE-T9506-14	4.8	6.4	0.8	2.34 / 1.31	508	25
VE-T9506-24	4.8	8	1.6	3.86 / 2.28	759	16
VE-T9506-34	4.8	9.6	2.4	4.83 / 3.03	759	11
VE-T9508-14	6.4	8	0.8	1.93 / 0.83	127	40
VE-T9508-24	6.4	9.6	1.6	2.90 / 1.72	759	24
VE-T9508-34	6.4	11.2	2.4	4 / 1.93	759	17
VE-T9508-44	6.4	12.8	3.2	4.83 / 3.1	759	14
VE-T9510-24	8	11.2	1.6	2.48 / 1.52	759	49
VE-T9512-24	9.5	12.7	1.6	2.34 / 1.31	635	44
VE-T9512-34	9.5	14.3	2.4	3.1 / 1.86	759	33
VE-T9512-44	9.5	15.9	3.2	3.72 / 2.28	759	27
VE-T9514-34	11.1	15.9	2.4	2.76 / 1.45	759	43
VE-T9514-44	11.1	17.5	3.2	3.38 / 2	759	35
VE-T9516-24	12.7	15.9	1.6	1.79 / 0.97	127	73
VE-T9516-34	12.7	17.5	2.4	2.48 / 1.24	759	54
VE-T9516-44	12.7	19.1	3.2	3.17 / 1.86	759	44
VE-T9520-24	15.9	19.1	1.6	1.65 / 0.76	127	105
VE-T9520-34	15.9	20.7	2.4	2.21 / 1.1	381	76
VE-T9520-44	15.9	22.3	3.2	2.62 / 1.45	759	60
VE-T9524-34	19	23.8	2.4	1.79 / 0.9	127	102
VE-T9524-44	19	25.4	3.2	2.28 / 1.38	635	83
VE-T9532-44	25.4	31.8	3.2	1.93 / 0.97	254	130

INDUSTRIAL HOSES - TYGON®

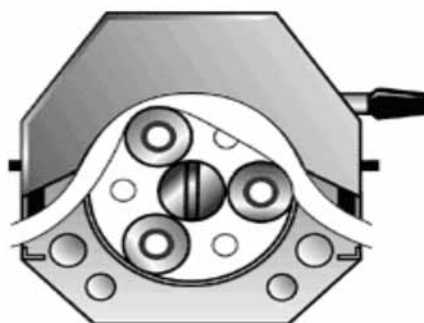


TYGON® A-60-G

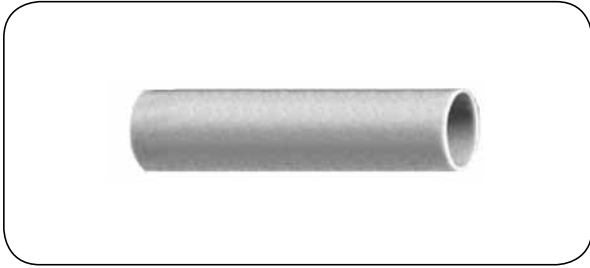
Max. working temp.: +135°C
Brittle temp.: -60°C
Hardness: 61° Shore (A)
Density: 0.98 g/cm³
Key features: General purpose, peristaltic pumps

Black, flexible tubing resistant to abrasion, ageing, ozone and heat radiation. The tubing features excellent fatigue strength, very low permeation rate and very high resistance to inorganic compounds (e.g. acids, bases). Widely used in vacuum applications. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 80°C [bar]	vacuum 80°C [mm Hg]	bending radius [mm]
VE-R6002-23	1.6	4.8	1.6	2.34 / 1.45	759	6
VE-R6004-23	3.2	6.4	1.6	1.31 / 0.83	759	13
VE-R6004-43	3.2	9.6	3.2	2.34 / 1.45	759	13
VE-R6006-23	4.8	8	1.6	0.9 / 0.55	759	19
VE-R6006-33	4.8	9.6	2.4	1.31 / 0.83	759	13
VE-R6006-63	4.8	14.4	4.8	2.34 / 1.45	759	6
VE-R6008-23	6.4	9.6	1.6	0.69 / 0.41	401	22
VE-R6008-33	6.4	11.2	2.4	1.03 / 0.62	759	19
VE-R6008-43	6.4	12.8	3.2	1.31 / 0.83	759	19
VE-R6008-63	6.4	16	4.8	1.79 / 1.1	759	13
VE-R6010-23	8	11.2	1.6	0.55 / 0.34	256	32
VE-R6010-33	8	12.8	2.4	0.83 / 0.48	635	25
VE-R6010-83	8	20.8	6.4	1.93 / 1.17	759	13
VE-R6012-23	9.5	12.7	1.6	0.48 / 0.28	178	35
VE-R6012-33	9.5	14.3	2.4	0.69 / 0.41	381	38
VE-R6012-43	9.5	15.9	3.2	0.9 / 0.55	704	29
VE-R6016-33	12.7	17.5	2.4	0.55 / 0.31	254	57
VE-R6016-43	12.7	19.1	3.2	0.69 / 0.41	396	29
VE-R6020-33	15.9	20.7	2.4	0.48 / 0.28	127	83
VE-R6020-43	15.9	22.3	3.2	0.55 / 0.34	251	70
VE-R6024-43	19	25.4	3.2	0.48 / 0.28	175	89
VE-R6032-43	25.4	31.8	3.2	0.41 / 0.21	127	127



INDUSTRIAL HOSES - TYGON®



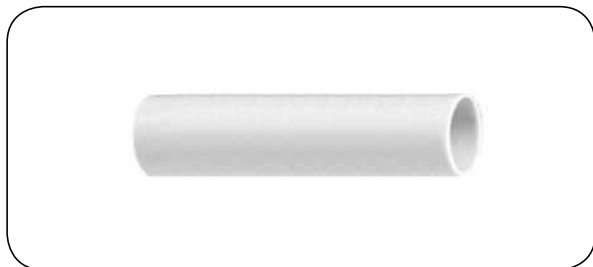
VERSILON™ GSR

Material: Natural red rubber
Max. working temp.: +70°C
Brittle temp.: -40°C
Hardness: 45° Shore (A)
Density: 1.13 g/cm³
Key features: General purpose

Lightweight, ultra-flexible tubing. Abrasion resistance and very low permeation rate make the tubing suitable for a range of industrial applications. GSR SEMI-VACUUM and GSR VACUUM hoses are intended for vacuum systems. Steam sterilization and ethylene oxide sterilization. Meets the requirements of FDA.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
GSR STANDARD						
VE-710047	1	3	1	0.82	3	25
VE-710050	2	4	1	0.5	6	25
VE-710054	3	5	1	0.46	12	25
VE-710056	3	6	1.5	0.64	13	25
VE-710058	4	6	1	0.36	12	25
VE-710060	4	7	1.5	0.54	12	25
VE-710063	4	8	2	0.51	18	25
VE-710070	5	8	1.5	0.46	20	25
VE-710078	6	9	1.5	0.37	33	25
VE-710082	6	10	2	0.45	18	25
VE-710095	7	10	1.5	0.31	33	25
VE-710098	7	11	2	0.27	37	25
VE-710107	8	12	2	0.37	32	25
VE-710115	9	13	2	0.36	58	25
VE-710117	10	14	2	0.37	46	25
VE-710127	12	17	2.5	0.28	63	25
VE-710128	12	18	3	0.31	42	25
VE-710140	16	22	3	0.31	90	25
GSR SEMI-VACUUM						
VE-710064	4	9	2.5	0.63	17	25
VE-710072	5	10	2.5	0.61	17	25
VE-710084	6	12	3	0.62	16	25
VE-710089	6	16	5	1.05	19	25
VE-710100	7	15	4	0.65	15	25
VE-710101	7	17	5	0.88	12	25
VE-710109	8	14	3	0.51	25	25
VE-710110	8	18	5	0.53	15	25
VE-710120	10	20	5	0.65	21	25
VE-710130	12	24	6	0.72	23	25
VE-710135	15	30	7.5	0.65	36	10
GSR VACUUM						
VE-710066	4	14	5	1.03	9	25
VE-710074	5	15	5	0.95	7	25
VE-710091	6	18	6	1.12	9	25
VE-710114	8	20	6	0.82	12	25
VE-710123	10	30	10	0.67	18	10
VE-710139	15	35	10	0.63	28	10
VE-710151	20	45	12.5	0.61	63	10

INDUSTRIAL HOSES - TYGON®



VERSILON™ GA

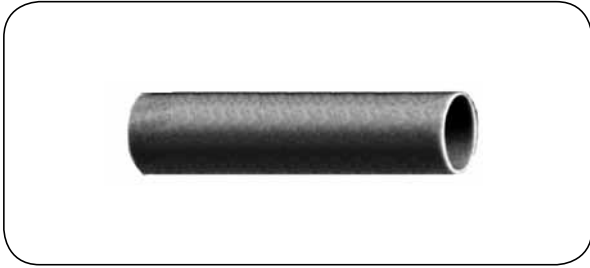
Material: Light brown natural rubber
Max. working temp.: +70°C
Brittle temp.: -40°C
Hardness: 40° Shore (A)
Density: 0.98 g/cm³
Key features: General purpose, 500% elongation

Lightweight, flexible tubing with properties similar to latex rubber. Can be used as its substitute. Easy to mount, used in laboratories, for blood and tissue testing, for dispensing cleaners. Resistant to abrasion. Steam sterilization and ethylene oxide sterilization. Compliant with FDA.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
VE-702030	2	4	1	0.5	7	50
VE-702075	3	5	1	0.46	11	50
VE-702195	4	6	1	0.36	12	50
VE-702210	4	7	1.5	0.54	12	50
VE-702225	4	8	2	0.51	7	50
VE-702315	5	8	1.5	0.46	18	50
VE-702330	5	9	2	0.61	14	50
VE-702345	5	10	2.5	0.63	13	50
VE-702405	6	9	1.5	0.37	29	50
VE-702420	6	10	2	0.45	19	50
VE-702465	7	10	1.5	0.31	37	25
VE-702480	7	11	2	0.27	26	25
VE-702495	7	13	3	0.75	20	25
VE-702525	8	12	2	0.37	28	25
VE-702555	8	16	4	0.61	17	25
VE-702585	10	14	2	0.37	50	25
VE-702600	10	15	2.5	0.34	40	25
VE-702615	12	17	2.5	0.28	52	25
VE-702630	15	21	3	0.33	70	25
VE-702645	18	24	3	0.32	99	25
VE-702660	20	27	3.5	0.24	99	25



INDUSTRIAL HOSES - TYGON®

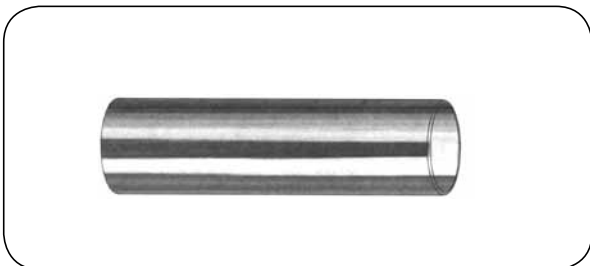


VERSILON™ NITRILE

Material: Black NBR rubber
Max. working temp.: +100°C
Brittle temp.: -20°C
Hardness: 65° Shore (A)
Density: 1.45 g/cm³
Key features: General purpose

Lightweight, flexible tubing with superb resistance to aliphatic hydrocarbons, good resistance to aromatic solvents and alcohols. Low gas permeability rate. Used in fuel installations, gas and lubricant lines and for petrochemical products transfer. Average resistance to ageing and light.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working pressure [bar]	bending radius [mm]	standard length [m]
VE-730020	4	7	1.5	1.06	11	50
VE-730080	5	8	1.5	0.96	21	50
VE-730100	6	9	1.5	0.75	28	50
VE-730110	6	10	2	0.9	20	50
VE-730160	7	10	1.5	0.65	34	50
VE-730200	8	12	2	0.75	33	50
VE-730220	10	14	2	0.72	53	50
VE-730240	12	17	2.5	0.54	68	50



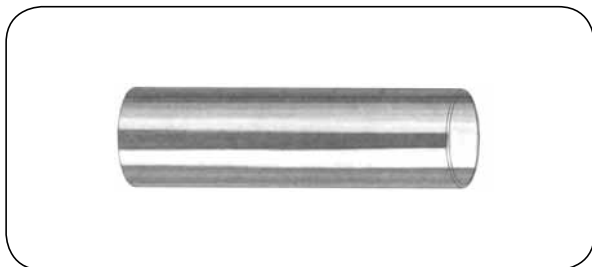
TYGON® F4040-A

Max. working temp.: +74°C
Brittle temp.: -37°C
Hardness: 57° Shore (A)
Density: 1.26 g/cm³
Key features: For petrochemical products

Transparent, yellow, flexible tubing resistant to ageing, ozone, UV radiation, swelling and hardening caused by washing out of plasticizers. Very low permeation rate of aromatic hydrocarbons. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-T4003-C3	2	3.5	0.8	2.76	759	6
VE-T4003-D3	2.4	4.8	1.2	3.45	759	6
VE-T4004-23	3.2	6.4	1.6	3.45	759	10
VE-T4006-23	4.8	8	1.6	2.41	759	16
VE-T4008-23	6.4	9.6	1.6	2.07	559	25
VE-T4010-23	8	11.2	1.6	1.72	356	35
VE-T4012-23	9.5	12.7	1.6	1.38	254	48
VE-T4012-43	9.5	15.9	3.2	2.41	759	29
VE-T4014-23	11.1	14.3	1.6	1.03	178	60
VE-T4016-23	12.7	15.9	1.6	1.03	127	73
VE-T4016-43	12.7	19.1	3.2	2.07	559	44
VE-T4020-43	15.9	22.3	3.2	1.72	356	64
VE-T4024-43	19	25.4	3.2	1.38	254	83

INDUSTRIAL HOSES - TYGON®

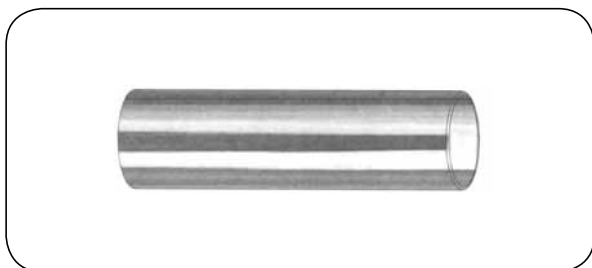


TYGON® LP-1100

Max. working temp.: +82°C
Brittle temp.: -29°C
Hardness: 69° Shore (A)
Density: 1.26 g/cm³
Key features: For petrochemical products with ethanol content up to 100%

Transparent, yellow, flexible tubing with fluoropolymer internal layer, resistant to swelling and hardening caused by liquid hydrocarbons or acid gases. Very low permeation rate of aromatic hydrocarbons. Meets the requirements of EPA and CARB standards. Resistant to ozone and UV radiation. Perfect as a fuel line in chainsaws, lawnmowers, etc. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-AY600165	2.4	4.8	1.2			
VE-AY600007	3.2	6.4	1.6			
VE-AY600012	4.8	8	1.6			
VE-AY600017	6.4	9.6	1.6			



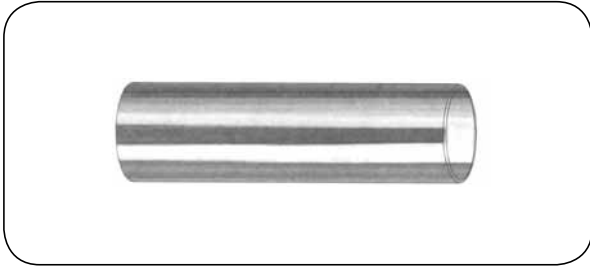
TYGON® LP-1200

Max. working temp.: +82°C
Brittle temp.: -28°C
Hardness: 78° Shore (A)
Density: 1.27 g/cm³
Key features: For petrochemical products with ethanol content up to 100%

Transparent, flexible tubing resistant to swelling and hardening caused by washing out of plasticizers. Very low permeation rate of aromatic hydrocarbons. Meets the requirements of EPA and CARB standards. Resistant to UV radiation: complies with the requirements of ANSI B175.1 Annex D standard. Perfect as a fuel line in chainsaws, lawnmowers, etc. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
VE-ALR00700	2.03	3.56	0.77	4.82	730	6
VE-ALR00165	2.4	4.8	1.2	4.48	730	6
VE-ALR00007	3.2	6.4	1.6	4.13	730	10
VE-ALR00012	4.8	8	1.6	3.10	730	13
VE-ALR00017	6.4	9.6	1.6	2.06	730	17

INDUSTRIAL HOSES - TYGON®

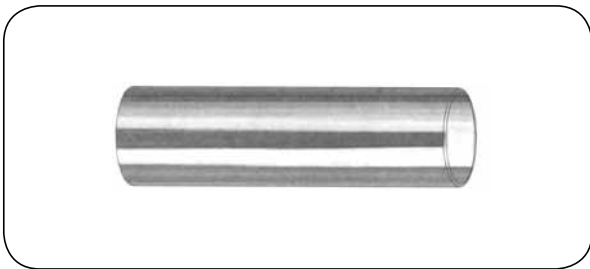


TYGON® LP-1500

Max. working temp.: +85°C
Brittle temp.: -40°C
Hardness: 35° Shore (A)
Density: 1.18 g/cm³
Key features: For petrochemical products with ethanol content max. 10%

Transparent, flexible tubing resistant to wear and kinking. Very low permeation rate of aromatic hydrocarbons. Meets the requirements of EPA and CARB standards. Resistant to UV radiation: complies with the requirements of ANSI B175.1 Annex D standard. Perfect as a fuel line in chainsaws, lawnmowers, etc. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 23°C [bar]	vacuum 23°C [mm Hg]	bending radius [mm]
AY700165	2.4	4.8	1.2	11.03	759	13
AY700007	3.2	6.4	1.6	7.23	759	16
AY700017	6.4	9.6	1.6	4.48	759	63
AY700038	12.7	19	3.2	3.44	759	127



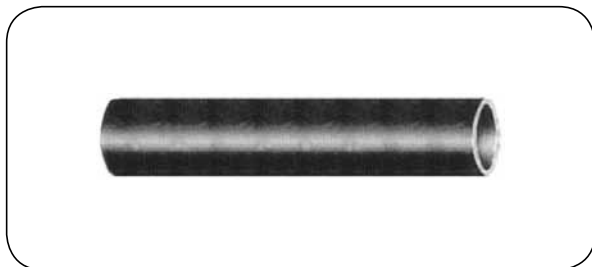
TYGON® 2375

Max. working temp.: +54°C
Brittle temp.: -75°C
Hardness: 75° Shore (A)
Density: 0.90 g/cm³
Key features: Chemical resistance

Transparent, flexible tubing resistant to acids, bases, salts, ketones and alcohols. The material of the tubing is completely free of plasticizers and thus prevents potential contamination of the fluid flowing through the tubing and its premature failure. The smooth inner surface prevents impurities build-up. Ethylene oxide or radiation sterilization. Complies with FDA 21 CFR 177.1520, REACH, NSF-51 and 10/2011EU. Tubing length 15 m (Ø 25.4 mm - 7.5 m).

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-AJK00002	1.6	3.2	0.8	2.76	759	6
VE-AJK00003	1.6	4.8	1.6	4.48	759	3
VE-AJK00004	2.4	4	0.8	1.72	759	6
VE-AJK00007	3.2	6.4	1.6	2.76	759	6
VE-AJK00009	4	5.6	0.8	1.38	759	6
VE-AJK00012	4.8	8	1.6	2.07	759	13
VE-AJK00017	6.4	9.6	1.6	1.38	759	19
VE-AJK00022	8	11.2	1.6	1.38	759	32
VE-AJK00027	9.5	12.7	1.6	1.17	508	38
VE-AJK00029	9.5	15.9	3.2	1.72	759	29
VE-AJK00038	12.7	19.1	3.2	1.72	759	38
VE-AJK00046	15.9	22.3	3.2	1.38	759	63
VE-AJK00053	19	25.4	3.2	1.17	508	70
VE-AJK42064	25.4	35	4.8	1.31	635	83

INDUSTRIAL HOSES - TYGON®

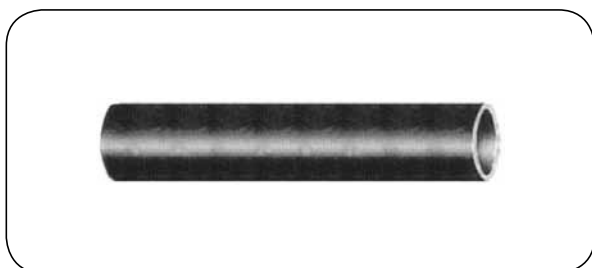


VERSILON™ F-5500-A

Max. working temp.: +204°C
Brittle temp.: -51°C
Hardness: 60° Shore (A)
Density: 1.90 g/cm³
Key features: High chemical and temperature resistance

Opaque, black, flexible tubing made of fluoroelastomer. Resistant to ageing, ozone and weather conditions. Recommended for light-sensitive fluid transfer. The best choice for peristaltic pumps transferring extremely aggressive media. A food grade version is also available. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 135°C [bar]	vacuum 135°C [mm Hg]	bending radius [mm]
VE-T5502-13	1.6	3.2	0.8	1.24 / 0.83	759	6
VE-T5504-23	3.2	6.4	1.6	1.31 / 0.9	759	13
VE-T5506-23	4.8	8	1.6	1.03 / 0.62	759	19
VE-T5508-23	6.4	9.6	1.6	0.9 / 0.55	508	25
VE-T5510-23	8	11.2	1.6	0.76 / 0.41	254	32
VE-T5512-23	9.5	12.7	1.6	0.69 / 0.34	127	51



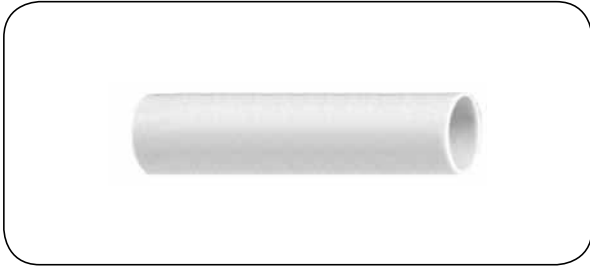
TYGON® R-3400

Max. working temp.: +74°C
Brittle temp.: -21°C
Hardness: 64° Shore (A)
Density: 1.31 g/cm³
Key features: UV resistant

Lightweight, flexible, black tubing resistant to chemicals, ozone and weather conditions. Complies with the requirements of UL 94V-O and UL94HB standard for flammability. Particularly recommended for light-sensitive media, which undergo degradation when affected by light. Also used for computer processor cooling. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-T3402-13	1.6	3.2	0.8	4.14	759	6
VE-T3403-13	2.4	4	0.8	3.1	759	10
VE-T3403-23	2.4	5.6	1.6	5.52	759	6
VE-T3404-23	3.2	6.4	1.6	4.14	759	9
VE-T3405-23	4	7.2	1.6	3.45	759	13
VE-T3406-13	4.8	6.4	0.8	1.72	279	25
VE-T3406-23	4.8	8	1.6	3.1	759	16
VE-T3406-33	4.8	9.6	2.4	4.14	759	13
VE-T3408-23	6.4	9.6	1.6	2.41	635	25
VE-T3408-33	6.4	11.1	2.4	3.45	759	19
VE-T3410-23	8	11.1	1.6	2.07	406	35
VE-T3412-23	9.5	12.7	1.6	1.72	279	44
VE-T3412-43	9.5	15.9	3.2	3.1	759	29
VE-T3414-23	11.1	14.3	1.6	1.38	203	57
VE-T3416-43	12.7	19	3.2	2.41	635	44
VE-T3420-43	15.9	22.2	3.2	2.07	406	60
VE-T3424-43	19	25.4	3.2	1.72	279	83

INDUSTRIAL HOSES - TYGON®

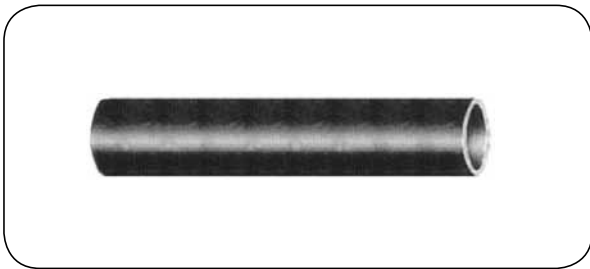


TYGON® CHEMICAL TUBING

Max. working temp.: +74°C
Brittle temp.: -60°C
Hardness: 61° Shore (A)
Density: 0.98 g/cm³
Key features: Chemical hose, peristaltic pumps

Cream-coloured, flexible tubing with inner surface resistant to chemicals, plasticizer-free, unaffected by acids, bases, salts, ketones, alcohols but also resistant to cleaners and sanitizers. Steam, ethylene oxide or radiation sterilization. Meets the requirements of FDA 21 CFR 177.1520. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C / 70°C [bar]	vacuum 20°C [mm Hg]	bending radius [mm]
VE-AD300007	3.2	6.4	1.6	2.28 / 0.97	759	13
VE-AD300012	4.8	8	1.6	2 / 0.69	759	25
VE-AD300017	6.4	9.5	1.6	1.38 / 0.55	759	32
VE-AD300027	9.5	12.7	1.6	0.97 / 0.34	635	51
VE-AD300038	12.7	19.1	3.2	1.1 / 0.55	759	57



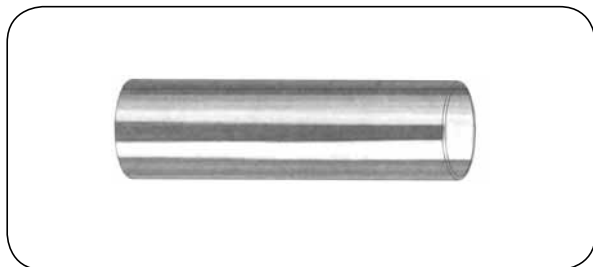
VERSILON™ ISO

Max. working temp.: +200°C (temporarily up to +300°C)
Brittle temp.: -20°C
Hardness: 60° Shore (A) - to dim. 4x6 mm, 70° Shore (A) - from dim. 4x8 mm
Density: 1.90 g/cm³
Key features: High chemical resistance, general purpose

Lightweight, flexible, black tubing made of fluoroelastomer. Resistant to ageing and weather conditions, flame retardant.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	bending radius [mm]	standard length [m]
VE-770060	1	3	1	2	50
VE-770100	1.5	3	0.75	4	50
VE-770130	2	4	1	6	50
VE-770180	3	5	1	11	50
VE-770230	4	6	1	22	50
VE-770250	4	8	2	13	25
VE-770260	5	8	1.5	18	25
VE-770270	5	10	2.5	9	25
VE-770300	6	9	1.5	29	25
VE-770310	6	10	2	19	25
VE-770320	6	12	3	18	25
VE-770350	7	10	1.5	34	25
VE-770360	8	11	1.5	41	25
VE-770380	8	12	2	31	25
VE-770420	10	14	2	48	25
VE-770440	12	17	2.5	45	25
VE-770460	15	21	3	64	5
VE-770470	18	24	3	79	5
VE-770490	20	27	3.5	88	5
VE-770500	25	32	3.5	124	5
VE-770520	30	40	5	132	5

INDUSTRIAL HOSES - TYGON®

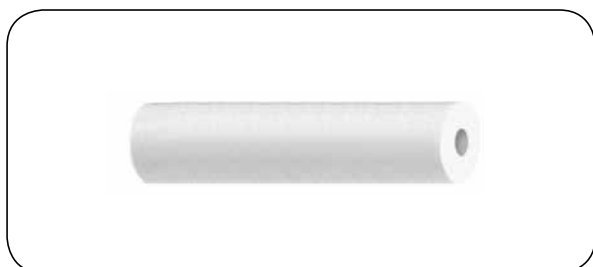


VERSILON™ SE-200

Max. working temp.: +74°C
Brittle temp.: -36°C
Hardness: 66° Shore (A)
Density: 1.21 g/cm³
Key features: High chemical resistance, phthalate free

Transparent tubing with inner layer made of FEP fluoropolymer which is entirely physically and chemically inert. Taste and odour-free. Used for the transfer of highly aggressive chemical products, solvents, methyl ethyl ketone (MEK), etc. Ethylene oxide sterilization. Meets the requirements of FDA 21 CFR Part 177.1550. Tubing length 15 m.

code	I.D. [mm]	O.D. [mm]	wall thickness [mm]	working press. 20°C [bar]	working press. 70°C [bar]	bending radius [mm]
VE-T2003-23	1.6	3.2	0.8	6.89	3.1	13
VE-T2004-23	3.2	6.4	1.6	5.86	2.76	25
VE-T2006-23	4.8	8	1.6	5.17	2.62	38
VE-T2008-23	6.4	9.6	1.6	3.79	2.41	51
VE-T2012-33	9.5	14.3	2.4	3.45	1.72	89
VE-T2016-43	12.7	19.1	3.2	3.1	1.24	102
VE-T2024-43	19	25.4	3.2	2.07	0.83	114



VERSILON™ PEEK™

Material: PEEK (polyetheretherketone)
Working temp.: From -60°C up to +250°C (with peaks up to +310°C)
Hardness: 75° Shore (A)
Density: 1.31 g/cm³
Key features: Pressure resistance

Lightweight, brown capillary tubing with excellent resistance to aggressive chemicals. The smooth inner surface prevents impurities build-up. Suitable for high pressure applications, e.g. chromatography. More resistant to corrosion than stainless steel. Resistant to abrasion and leaching. Can be used for steam transfer applications. The working pressure of this tubing is limited only by the working pressure of the assembled fitting. Meets the requirements of FDA and USP Class VI.

code	I.D. [mm]	tolerance [± mm]	O.D. [mm]	tolerance [± mm]	standard length [m]
VE-ACUPEEK-015	0.15	0.04	1.6	0.08	76
VE-ACUPEEK-025	0.25	0.05	1.6	0.08	76
VE-ACUPEEK-050	0.5	0.05	1.6	0.08	76
VE-ACUPEEK-076	0.76	0.05	1.6	0.08	76
VE-ACUPEEK-102	1.02	0.05	1.6	0.08	76
VE-ACUPEEK-160	1.6	0.1	3.2	0.1	76
VE-ACUPEEK-203	2.03	0.1	3.2	0.1	76