Nalgene™ Non-Phthalate PVC Tubing

DEHP (Di-2-ethylhexyl phthalate) Free. Same Performance as Nalgene™ 180 Clear Plastic PVC Tubing, Nalgene™ 180 Clear Plastic Vacuum Tubing, Nalgene™ 180 Clear Plastic PVC Metric Tubing.

Perform a range of non-medical applications with Thermo Scientific Nalgene Non-Phthalate Clear Plastic PVC Tubing, which resists hardening and discoloration from a wide range of chemicals including those used for gas (EtO) and chemical sterilization (refer to Thermo Fisher chemical compatibility guide, expecting compatibility with weak acids, bases, salt solutions and surfactants). Manufactured from the highest-grade resins and special plasticizers, this tubing is available in 10', 50', 100' and 250' cases. Complies with FDA 21 CFR for food packaging, meets the requirements of the U.S. Pharmacopoeia Class VI Biological Tests for Plastics, Cytotoxicity, REACH, Latex-free, RoHS, complies with California proposition 65. Compatible with autoclave according to Thermo Fisher specified autoclave conditions. Can write on surface with Nalgene Lab marker. Slips easily over glass and plastic fittings and grips securely. Does not impart odor or taste. Will solvent weld to like material (segments can be joined by solvent welding).

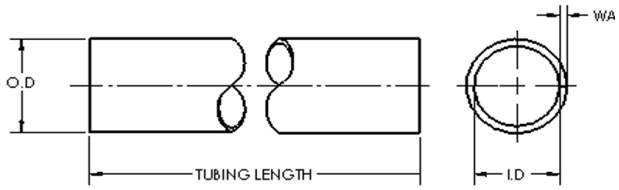
Applications

The clear non-phthalate PVC tubing is primarily used for fluid and gas phase material transfer in general lab, research and pharmaceutical facilities. The thick-walled vacuum tubing is used for generator vacuum lines for filtration, solvent extraction, bell jars, desiccators and vacuum chambers, etc.



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Detailed specifications and dimensions



TUBING SIZES AND SPECIFICATIONS

	TUBING SIZES						
CATALOG NUMBER	I.D	O.D	WALL	TUBING LENGTH	PRESSURE TEST/RATING WORKING@ 73° F PSI MAX	PRESSURE TEST/RATING WORKING@ 125° F PSI MAX	PRINTING
8701-0010	1/8	3/16	1/32	50 FT	30	15	NO
8701-0020	1/8	1/4	1/16	50 FT	50	25	YES
8701-9020	1/8	1/4	1/16	250 FT	50	25	YES
8701-0030	3/16	5/16	1/16	50 FT	36	18	YES
8701-9030	3/16	5/16	1/16	250 FT	36	18	YES
8701-0060	1/4	3/8	1/16	50 FT	30	15	YES
8701-4060	1/4	3/8	1/16	100 FT	30	15	YES
8701-0070	1/4	7/16	3/32	50 FT	40	20	YES
8701-0080	1/4	1/2	1/8	50 FT	46	23	YES
8701-0090	5/16	7/16	1/16	50 FT	28	14	YES
8701-9090	5/16	7/16	1/16	250 FT	28	14	YES
8701-0100	5/16	1/2	3/32	50 FT	36	18	YES
8701-0110	5/16	9/16	1/8	50 FT	40	20	YES
8701-0120	3/8	1/2	1/16	50 FT	22	11	YES
8701-4120	3/8	1/2	1/16	100 FT	22	11	YES
8701-0130	3/8	9/16	3/32	50 FT	32	16	YES
8701-0140	3/8	5/8	1/8	50 FT	40	20	YES
8701-4140	3/8	5/8	1/8	100 FT	40	20	YES
8701-0160	7/16	5/8	3/32	50 FT	30	15	YES
8701-0180	1/2	5/8	1/16	50 FT	20	10	YES
8701-0190	1/2	11/16	3/32	50 FT	26	13	YES
8701-0200	1/2	3/4	1/8	50 FT	30	15	YES
8701-0260	5/8	7/8	1/8	50 FT	26	13	YES
8701-0310	3/4	1	1/8	50 FT	22	11	YES
8701-0350	1	1-1/4	1/8	50 FT	18	14	YES
8702-0055	3/16	9/16	3/16	50 FT	62	31	YES
8702-0065	1/4	5/8	3/16	50 FT	56	28	YES
8702-1065	1/4	5/8	3/16	10 FT	56	28	YES
8702-0145	3/8	7/8	1/4	50 FT	54	22	YES
8702-1145	3/8	7/8	1/4	10 FT	54	22	YES
8702-0210	1/2	1-1/8	5/16	50 FT	52	21	YES
8702-1210	1/2	1-1/8	5/16	10 FT	52	21	YES

TUBING SIZES AND SPECIFICATIONS

CATALOG NUMBER	TUBING SIZES (mm) I.D	O.D	WALL	TUBING LENGTH	PRESSURE TEST/RATING WORKING @ 73° F KPa MAX	PRESSURE TEST/RATING WORKING@ 125° F KPa MAX	PRINTING
8703-0406	4.0	6.0	1.0	25 M	221	110	NO
8703-0407	4.0	7.0	1.5	25 M	276	138	YES
8703-0508	5.0	8.0	1.5	25 M	234	117	YES
8703-0609	6.0	9.0	1.5	25 M	221	110	YES
8703-0610	6.0	10.0	2.0	25 M	262	131	YES
8703-0710	7.0	10.0	1.5	25 M	193	96	YES
8703-0811	8.0	11.0	1.5	25 M	179	89	YES
8703-0812	8.0	12.0	2.0	25 M	221	110	YES
8703-0913	9.0	13.0	2.0	25 M	193	96	YES
8703-1014	10.0	14.0	2.0	25 M	179	89	YES
8703-1216	12.0	16.0	2.0	25 M	165	82	YES
8703-1520	15.0	20.0	2.5	10 M	179	89	YES

Chemical Resistance - Nalgene PVC Tubing

Material	Chemical Resistance Rating	Rating Description
Acids - Weak	E	30 Days of constant exposure causes no damage
Acids - Strong	F	Some defect after 7 days of constant exposure to reagent
Alcohol - Aliphatic	G	Little or no damage after 30 days of constant exposure to reagent
Aldehydes	N	Not recommended for continuous use
Bases - Weak	E	30 Days of constant exposure causes no damage
Bases - Strong	G	Little or no damage after 30 days of constant exposure to reagent
Esters	N	Not recommended for continuous use
Hydrocarbons - Aliphatic	F	Some defect after 7 days of constant exposure to reagent
Hydrocarbons - Aromatic	N	Not recommended for continuous use
Hydrocarbons - Halogenated	N	Not recommended for continuous use
Ketones	N	Not recommended for continuous use
Oxidizing Agents - Strong	N	Not recommended for continuous use
Oxidizing Agents - Weak	F	Some defect after 7 days of constant exposure to reagent

Note: Before using Nalgene Tubing with a particular chemical, it is strongly advised that you test it under your own conditions. If any doubt exists regarding a particular application, contact our Technical Support Group.

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Ordering Information

Description (I.D X O.D X Wall)	Case Qty	Cat. No.
TBG-NP-PVC 1/8 X 3/16 X 1/32 (50 FT)	1	8701-0010
TBG-NP-PVC 1/8 X 1/4 X 1/16 (50 FT)	1	8701-0020
TBG-NP-PVC 1/8 X 1/4 X 1/16 (250 FT)	1	8701-9020
TBG-NP-PVC 3/16 X 5/16 X1/16 (50 FT)	1	8701-0030
TBG-NP-PVC 3/16 X 5/16 X 1/16 (250 FT)	1	8701-9030
TBG-NP-PVC 1/4 X 3/8 X 1/16 (50FT)	1	8701-0060
TBG-NP-PVC 1/4 X 3/8 X 1/16 (100 FT)	1	8701-4060
TBG-NP-PVC 1/4 X 7/16 X 3/32 (50 FT)	1	8701-0070
TBG-NP-PVC 1/4 X 1/2 X 1/8 (50 FT)	1	8701-0080
TBG-NP-PVC 5/16 X 7/16 X 1/16 (50 FT)	1	8701-0090
TBG-NP-PVC 5/16 X 7/16 X 1/16 (250 FT)	1	8701-9090
TBG-NP-PVC 5/16 X 1/2 X 3/32 (50 FT)	1	8701-0100
TBG-NP-PVC 5/16 X 9/16 X 1/8 (50 FT)	1	8701-0110
TBG-NP-PVC 3/8 X 1/2 X 1/16 (50 FT)	1	8701-0120
TBG-NP-PVC 3/8 X 1/2 X 1/16 (100 FT)	1	8701-4120
TBG-NP-PVC 3/8 X 9/16 X 3/32 (50 FT)	1	8701-0130
TBG-NP-PVC 3/8 X 5/8 X 1/8 (50 FT)	1	8701-0140
TBG-NP-PVC 3/8 X 5/8 X 1/8 (100 FT)	1	8701-4140
TBG-NP-PVC 7/16 X 5/8 X 3/32 (50 FT)	1	8701-0160
TBG-NP-PVC 1/2 X 5/8 X 1/16 (50 FT)	1	8701-0180
TBG-NP-PVC 1/2 X 11/16 X 3/32 (50 FT)	1	8701-0190
TBG-NP-PVC 1/2 X 3/4 X 1/8 (50 FT)	1	8701-0200
TBG-NP-PVC 5/8 X 7/8/ X 1/8 (50 FT)	1	8701-0260
TBG-NP-PVC 3/4 X 1 X 1/8 (50 FT)	1	8701-0310
TBG-NP-PVC 1 X 1-1/4 X 1/8 (50 FT)	1	8701-0350
TBG-NP-VAC 3/16 X 9/16 X 3/16 (50 FT)	1	8702-0055
TBG-NP-VAC 1/4 X 5/8 X 3/16 (50 FT)	1	8702-0065
TBG-NP-VAC 1/4 X 5/8 X 3/16 (10 FT)	1	8702-1065
TBG-NP-VAC 3/8 X 7/8 X 1/4 (50 FT)	1	8702-0145
TBG-NP-VAC 3/8 X 7/8 X 1/4 (10 FT)	1	8702-1145
TBG-NP-VAC 1/2 X 1-1/8 X 5/16 (50 FT)	1	8702-0210
TBG-NP-VAC 1/2 X 1-1/8 X 5/16 (10 FT)	1	8702-1210
TBG-NP-MET 4.0 X 6.0 X 1.0 (25 M)	1	8703-0406
TBG-NP-MET 4.0 X 7.0 X 1.5 (25 M)	1	8703-0407
TBG-NP-MET 5.0 X 8.0 X 1.5 (25 M)	1	8703-0508
TBG-NP-MET 6.0 X 9.0 X 1.5 (25 M)	1	8703-0609
TBG-NP-MET 6.0 X 10.0 X 2.0 (25 M)	1	8703-0610
TBG-NP-MET 7.0 X 10.0 X 1.5 (25 M)	1	8703-0710
TBG-NP-MET 8.0 X 11.0 X 1.5 (25 M)	1	8703-0811
TBG-NP-MET 8.0 X 12.0 X 2.0 (25 M)	1	8703-0812
TBG-NP-MET 9.0 X 13.0 X 2.0 (25 M)	1	8703-0913
TBG-NP-MET 10.0 X 14.0 X 2.0 (25 M)	1	8703-1014
TBG-NP-MET 12.0 X 16.0 X 2.0 (25 M)	1	8703-1216
TBG-NP MET 15.0 X 20.0 X 2.5 (10 M)	1	8703-1520

Find out more at **thermofisher.com /tubing**

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