

PTFE TUBE

Polyhose Proprietary Product








KEY PROPERTIES OF PTFE:






- Polytetrafluoroethylene (P.T.F.E) has the lowest coefficient of friction of all polymers
- Useful in high temperature applications
- Very good chemical resistance to all common solvents, acids and bases
- PTFE is virtually unaffected by oxygen, ozone and UV light
- Excellent dielectric insulation properties
- The working temperature of PTFE is extremely broad, ranging from 260° C (500° F) to -270° C (-454° F)

Note: We also supply Convoluted tubes, Conductive PTFE Plain and PTFE Conductive Convoluted tubes kindly refer our part nomenclature before ordering. Also special sizes are available on request






Property		Specification	Unit	Value
General	Continuous service temperature	Maximum	° C ° F	260 500
	Chemical resistance		-	Excellent
	Specific gravity	D 792	-	2.15
Electrical	Dielectric constant	D 150 at 10 ³ Hz D 150 at 10 ⁶ Hz	- -	2.1 2.1
	Dielectric dissipation factor	D 150 at 10 ³ Hz D 150 at 10 ⁶ Hz	- -	0.0002 0.0002
	Dielectric strength (short term) 10 mils film	D 149	Volt / mil	>1 400
	Volume resistivity	D 257	Ohm-cm	>10 ¹⁸
	Environmental	Water absorption	D 570	%
	Weather resistance	-	-	Excellent
	Oxygen index	D 2863	%	>95
	Flammability	UL 94	-	V-0
Mechanical	Tensile strength	D 1708, D 638	psi	3 500
	Elongation	D 1708, D 638	%	300
	Compressive strength	D 695	psi	3 500
	Impact strength	D 256 at +23°C	Ft-Lb / in	3.5
	Flexural Modulus	D 790 at +23°C	psi	90 000
	Tensile Modulus	D 638	psi	80 000
	Hardness	D 2240	-	D-60
Thermal	Melting point		° C ° F	327 620
	Thermal conductivity	C-177	BTU / hr / ft ² /°F. in	1.7
	Deflection temperature 66 psi	D 648	° C	122
	264 psi			55
	Deflection temperature 66 psi	D 648	° F	252
	264 psi			131

Metric size

Item Code					
	ID	OD	WT	BP	W
	mm	mm	mm	bar	g/m
18-0040000300NT	3.00	4.00	0.50	40	13
18-0045000300NT	3.00	4.50	0.75	56	21
18-0050000300NT	3.00	5.00	1.00	70	30
18-0045000350NT	3.50	4.50	0.50	35	15
18-0050000350NT	3.50	5.00	0.75	49	24
18-0055000350NT	3.50	5.50	1.00	62	34
18-0050000400NT	4.00	5.00	0.50	31	17
18-0055000400NT	4.00	5.50	0.75	44	27
18-0060000400NT	4.00	6.00	1.00	56	38
18-0070000400NT	4.00	7.00	1.50	76	63
18-0065000450NT	4.50	6.50	1.00	51	42
18-0060000500NT	5.00	6.00	0.50	25	21
18-0065000500NT	5.00	6.50	0.75	37	33
18-0070000500NT	5.00	7.00	1.00	47	46
18-0080000500NT	5.00	8.00	1.50	65	74
18-0090000500NT	5.00	9.00	2.00	80	106
18-0075000550NT	5.50	7.50	1.00	43	49
18-0070000600NT	6.00	7.00	0.50	22	25
18-0080000600NT	6.00	8.00	1.00	40	53
18-0090000600NT	6.00	9.00	1.50	56	85
18-0100000600NT	6.00	10.00	2.00	70	122
18-0080000650NT	6.50	8.00	0.75	29	41
18-0080000700NT	7.00	8.00	0.50	19	28
18-0090000700NT	7.00	9.00	1.00	35	61
18-0100000700NT	7.00	10.00	1.50	49	97
18-0095000750NT	7.50	9.50	1.00	33	65
18-0090000800NT	8.00	9.00	0.50	16	32
18-0095000800NT	8.00	9.50	0.75	24	50
18-0100000800NT	8.00	10.00	1.00	31	68
18-0120000800NT	8.00	12.00	2.00	56	152
18-0105000850NT	8.50	10.50	1.00	29	72
18-0100000900NT	9.00	10.00	0.50	15	36
18-0105000900NT	9.00	10.50	0.75	22	56
18-0110000900NT	9.00	11.00	1.00	28	76
18-0120000900NT	9.00	12.00	1.50	40	120
18-0110001000NT	10.00	11.00	0.50	13	40
18-0120001000NT	10.00	12.00	1.00	25	84
18-0130001000NT	10.00	13.00	1.50	37	131
18-0140001000NT	10.00	14.00	2.00	47	182
18-0150001000NT	10.00	15.00	2.50	56	237
18-0130001100NT	11.00	13.00	1.00	23	91
18-0140001200NT	12.00	14.00	1.00	22	99
18-0150001200NT	12.00	15.00	1.50	31	154
18-0160001200NT	12.00	16.00	2.00	40	213
18-0150001300NT	13.00	15.00	1.00	20	106
18-0160001300NT	13.00	16.00	1.50	29	165
18-0170001300NT	13.00	17.00	2.00	37	228
18-0160001400NT	14.00	16.00	1.00	19	114
18-0170001400NT	14.00	17.00	1.50	27	177
18-0180001400NT	14.00	18.00	2.00	35	243
18-0170001500NT	15.00	17.00	1.00	18	122
18-0180001500NT	15.00	18.00	1.50	25	188
18-0180001600NT	16.00	18.00	1.00	16	129
18-0190001600NT	16.00	19.00	1.50	24	199
18-0200001600NT	16.00	20.00	2.00	31	274
18-0195001650NT	16.50	19.50	1.50	23	205

Item Code					
	ID	OD	WT	BP	W
	mm	mm	mm	bar	g/m
18-0200001700NT	17.00	20.00	1.50	23	211
18-0200001800NT	18.00	20.00	1.00	15	144
18-0210001800NT	18.00	21.00	1.50	22	222
18-0220001800NT	18.00	22.00	2.00	28	304
18-0210001900NT	19.00	21.00	1.00	14	152
18-0220001900NT	19.00	22.00	1.50	20	234

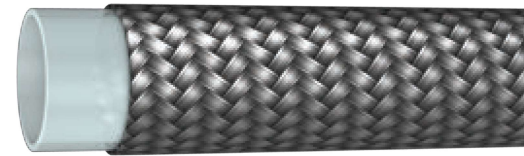
Imperial Size

Item Code							
	inch	mm	inch	mm	inch	bar	g/m
18-0048000320NT	1/8	3.20	3/16	4.80	1/32	56	24
18-0064000320NT	1/8	3.20	1/4	6.40	1/16	93	58
18-0064000400NT	5/32	4.00	1/4	6.40	3/64	65	47
18-0064000480NT	3/16	4.80	1/4	6.40	1/32	40	34
18-0079000480NT	3/16	4.80	5/16	7.90	1/16	70	75
18-0079000640NT	1/4	6.40	5/16	7.90	1/32	31	41
18-0095000640NT	1/4	6.40	3/8	9.50	1/16	56	94
18-0127000640NT	1/4	6.40	1/2	12.70	1/8	93	229
18-0095000790NT	5/16	7.90	3/8	9.50	1/16	25	53
18-0111000950NT	3/8	9.50	7/16	11.10	1/32	21	63
18-0127000950NT	3/8	9.50	1/2	12.70	1/16	40	135
18-0127001110NT	7/16	11.10	1/2	12.70	1/32	19	72
18-0143001270NT	1/2	12.70	9/16	14.30	1/32	16	82
18-0159001270NT	1/2	12.70	5/8	15.90	1/16	31	174
18-0159001430NT	9/16	14.30	5/8	15.90	1/32	15	92
18-0175001590NT	5/8	15.90	11/16	17.50	1/32	13	102
18-0191001590NT	5/8	15.90	3/4	19.10	1/16	25	213
18-0191001750NT	11/16	17.50	3/4	19.10	1/32	12	111
18-0222301910NT	3/4	19.10	7/8	22.23	1/16	22	246

Note: We also supply Convuluted tubes , Conductive PTFE Plain and PTFE Conductive Convuluted tubes kindly refer our part nomenclature before ordering. Also special sizes are available on request

PH179 - R14

Applicable Standard: SAE J517 - 100R14



Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria

Note: Double braided available for higher performance, please check our part # PH381

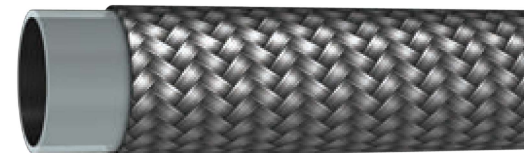
Item Code	Dash Size	→ ← WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH179-3	-3	1.00	1/8	3.35	0.252	6.4	3,260	225	13,040	900	1.6	40	65
PH179-4	-4	0.75	3/16	4.83	0.300	7.6	3,000	210	12,000	840	2.0	50	84
PH179-5	-5	0.65	1/4	6.48	0.380	9.7	3,000	210	12,000	840	3.0	75	121
PH179-6	-6	0.75	5/16	8.00	0.440	11.2	2,500	175	10,000	700	4.0	100	163
PH179-7	-7	0.75	3/8	9.65	0.495	12.6	2,400	165	9,600	660	5.0	125	170
PH179-8	-8	0.75	13/32	10.41	0.543	13.8	2,000	140	8,000	560	5.3	135	185
PH179-10	-10	0.75	1/2	12.83	0.650	16.5	1,750	120	7,000	480	6.5	165	234
PH179-12	-12	0.90	5/8	16.00	0.780	19.8	1,270	88	5,080	352	8.0	200	318
PH179-14	-14	0.90	3/4	19.18	0.900	22.9	1,100	75	4,400	300	9.1	230	395
PH179-16	-16	1.00	7/8	22.23	1.030	26.2	900	62	3,600	248	9.1	230	462
PH179-18	-18	1.05	1	25.53	1.160	29.5	900	62	3,600	248	11.8	300	528
PH179-20	-20	1.20	1.1/8	28.58	1.300	33.0	630	44	2,520	176	16.1	410	585



Temperature Range: Continuous: -54°C to +260°C

PH311 - (ELECTRICAL CONDUCTIVE) - R14

Applicable Standard: SAE J517 - 100R14



Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E) (Electrical Conductive)

Reinforcement Single braid of 304 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria

Note: Double braided available for higher performance, please check our part # PH383

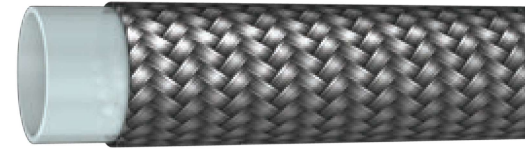
Item Code	Dash Size	→ ← WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH311-3	-3	1.00	1/8	3.35	0.252	6.4	3,260	225	13,040	900	1.6	40	65
PH311-4	-4	0.75	3/16	4.83	0.300	7.6	3,000	210	12,000	840	2.0	50	84
PH311-5	-5	0.65	1/4	6.48	0.380	9.7	3,000	210	12,000	840	3.0	75	121
PH311-6	-6	0.75	5/16	8.00	0.440	11.2	2,500	175	10,000	700	4.0	100	163
PH311-7	-7	0.75	3/8	9.65	0.495	12.6	2,400	165	9,600	660	5.0	125	170
PH311-8	-8	0.75	13/32	10.41	0.543	13.8	2,000	140	8,000	560	5.3	135	185
PH311-10	-10	0.75	1/2	12.83	0.650	16.5	1,750	120	7,000	480	6.5	165	234
PH311-12	-12	0.90	5/8	16.00	0.780	19.8	1,270	88	5,080	352	8.0	200	318
PH311-14	-14	0.90	3/4	19.18	0.900	22.9	1,100	75	4,400	300	9.1	230	395
PH311-16	-16	1.00	7/8	22.23	1.030	26.2	900	62	3,600	248	9.1	230	462
PH311-18	-18	1.05	1	25.53	1.160	29.5	900	62	3,600	248	11.8	300	528
PH311-20	-20	1.20	1.1/8	28.58	1.300	33.0	630	44	2,520	176	16.1	410	585



Temperature Range: Continuous: -54°C to +260°C

PH313 - R14 INCREASED WALL

Applicable Standard: SAE J517 - 100R14



Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria

Note : Available in electrical conductive version and our part # shall be PH314

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH313-5	-5	1.00	1/4	6.4	0.380	9.7	2,610	180	10,440	720	3.7	95	127
PH313-7	-7	1.00	3/8	9.5	0.505	12.8	2,400	165	9,600	660	6.3	160	177
PH313-10	-10	1.00	1/2	12.7	0.645	16.4	1,750	120	7,000	480	8.3	210	245
PH313-12	-12	1.10	5/8	16.0	0.790	20.1	1,270	88	5,080	352	10.6	270	332
PH313-14	-14	1.10	3/4	19.0	0.925	23.5	1,000	70	4,000	280	11.8	300	412

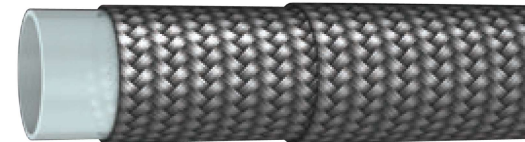


Temperature Range: Continuous: -54°C to +260°C

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PH381 - R14 2W

Applicable Standard: Exceeds SAE J517 - 100R14 pressure requirements



Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Double braids of 304 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature, Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria

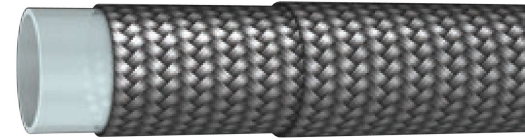
Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH381-3	-3	1.00	1/8	3.0	0.300	7.6	4,495	310	17,980	1,240	2.0	50	140
PH381-4	-4	0.75	3/16	4.8	0.360	9.1	3,770	260	15,080	1,040	2.6	65	187
PH381-5	-5	0.65	1/4	6.4	0.410	10.4	3,600	250	14,400	1,000	3.8	95	225
PH381-6	-6	0.75	5/16	8.0	0.510	13.0	3,500	245	14,000	980	5.0	125	287
PH381-7	-7	0.75	3/8	9.5	0.565	14.4	3,330	230	13,320	920	6.4	160	336
PH381-8	-8	0.75	13/32	10.5	0.595	15.1	2,750	190	11,000	760	7.0	175	395
PH381-10	-10	0.75	1/2	12.7	0.700	17.8	2,300	160	9,200	640	8.4	210	444
PH381-12	-12	0.90	5/8	16.0	0.855	21.7	1,600	110	6,400	440	10.8	270	583
PH381-14	-14	0.90	3/4	19.0	0.970	24.6	1,380	95	5,520	380	12.0	300	742
PH381-16	-16	1.00	7/8	22.2	1.090	27.7	1,160	80	4,650	320	12.4	310	810
PH381-18	-18	1.05	1	25.4	1.220	31.0	1,080	75	4,320	300	16.8	420	920
PH381-20	-20	1.20	1.1/8	29.0	1.400	35.6	870	60	3,480	240	22.0	550	990



Temperature Range: Continuous: -54°C to +260°C

PH382 - PTFE GAS HOSE

Polyhose Proprietary Product



Construction

Core Special quality of Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Double braids of 304 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria Transport of cryogenic gases at high pressures

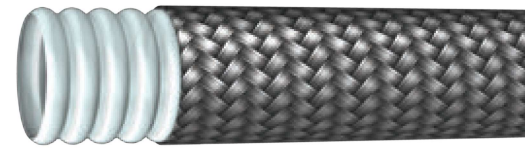
Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH382-04	-4	1.00	1/4	6.4	0.470	11.9	5,300	365	15,900	1,095	1.6	40	236
PH382-05	-5	1.00	5/16	8.0	0.540	13.7	4,560	315	13,680	945	1.8	45	301
PH382-06	-6	1.00	3/8	9.5	0.580	14.7	4,350	300	13,050	900	2.6	65	353
PH382-08	-8	1.00	1/2	12.7	0.730	18.5	3,840	265	11,520	795	3.0	75	466
PH382-10	-10	1.10	5/8	16.0	0.880	22.4	3,400	235	10,200	705	4.5	115	612
PH382-12	-12	1.25	3/4	19.0	1.030	26.2	2,900	200	8,700	600	9.4	240	779
PH382-16	-16	1.40	1	25.4	1.260	32.0	2,200	150	6,600	450	12.6	320	966



Temperature Range: Continuous: -54°C to +204°C

PH370 - PTFE - CONVOLUTED HOSE

Polyhose Proprietary Product



Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304/316 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria in automotive, chemical, pharmaceutical & food processing, plastic & rubber molding machines. Also for some applications the tube can also be made conductive to dissipate electro-static charges

Note: Working and burst pressure are at 20°C Temperature

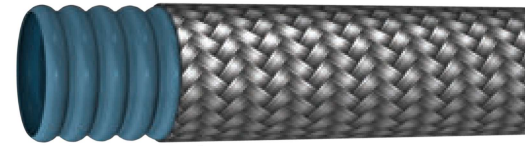
Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH370-04	-4	0.75	1/4	6.60	0.410	10.4	2,500	175	10,000	700	0.8	20	149
PH370-05	-5	0.75	5/16	8.18	0.490	12.4	2,300	160	9,200	640	0.8	20	170
PH370-06	-6	0.75	3/8	9.65	0.540	13.7	2,200	150	8,800	600	0.8	20	182
PH370-08	-8	0.75	1/2	12.83	0.725	18.4	1,960	135	7,840	540	1.0	25	289
PH370-10	-10	0.80	5/8	16.00	0.827	21.0	1,450	100	5,800	400	2.0	50	349
PH370-12	-12	0.90	3/4	19.18	1.020	25.9	1,160	80	4,640	320	2.6	65	494
PH370-14	-14	1.00	7/8	22.23	1.170	29.7	870	60	3,480	240	3.1	80	565
PH370-16	-16	1.00	1	25.53	1.331	33.8	800	55	3,200	220	3.6	90	677
PH370-20	-20	1.00	1.1/4	31.88	1.680	42.7	665	45	2,660	180	4.4	110	891
PH370-24	-24	1.00	1.1/2	38.23	1.890	48.0	510	35	2,040	140	6.0	150	959
PH370-32	-32	1.10	2	50.93	2.420	61.5	365	25	1,460	100	8.0	200	1309



Temperature Range: Continuous: -54°C to +260°C

PH371 - PTFE - ELECTRICAL CONDUCTIVE CONVOLUTED HOSE

Polyhose Proprietary Product



Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E) (Electrical Conductive)

Reinforcement Single braid of 304/316 series of stainless steel wire

Application P.T.F.E hose has an excellent temperature characteristics both in high and low temperature. Excellent chemical resistance, non contamination properties, low coefficient of friction and resists deterioration. Therefore the hose is used generally in applications where all or one of the above properties is the main criteria in automotive, chemical, pharmaceutical & food processing, plastic & rubber molding machines. Also for some applications the tube can also be made conductive to dissipate electro -static charges

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH371-04	-4	0.75	1/4	6.60	0.410	10.4	2,500	175	10,000	700	0.8	20	149
PH371-05	-5	0.75	5/16	8.18	0.490	12.4	2,300	160	9,200	640	0.8	20	170
PH371-06	-6	0.75	3/8	9.65	0.540	13.7	2,200	150	8,800	600	0.8	20	182
PH371-08	-8	0.75	1/2	12.83	0.725	18.4	1,960	135	7,840	540	1.0	25	289
PH371-10	-10	0.80	5/8	16.00	0.827	21.0	1,450	100	5,800	400	2.0	50	349
PH371-12	-12	0.90	3/4	19.18	1.020	25.9	1,160	80	4,640	320	2.6	65	494
PH371-14	-14	1.00	7/8	22.23	1.170	29.7	870	60	3,480	240	3.1	80	565
PH371-16	-16	1.00	1	25.53	1.331	33.8	800	55	3,200	220	3.6	90	677
PH371-20	-20	1.00	1.1/4	31.88	1.680	42.7	665	45	2,660	180	4.4	110	891
PH371-24	-24	1.00	1.1/2	38.23	1.890	48.0	510	35	2,040	140	6.0	150	959
PH371-32	-32	1.10	2	50.93	2.420	61.5	365	25	1,460	100	8.0	200	1309

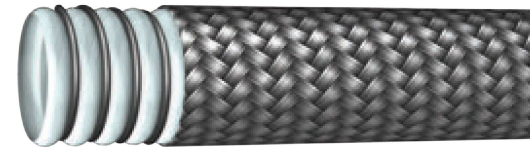


Temperature Range: Continuous: -54°C to +260°C

5

PH782 - CONVOLUTED PTFE HOSE WITH HELIX WIRE AND STAINLESS STEEL STANDARD WALL

Polyhose Proprietary Product



Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E) External AISI 304 Wire Support

Reinforcement Single braid of 304 of stainless steel wire

Application High temperature steam lines. Very high vacuum lines

Note: Available in medium wall version and our part # shall be PH792

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH782-06	-6	0.75	3/8	9.65	0.570	14.5	1,305	90	5,220	360	1.4	35	208
PH782-08	-8	0.75	1/2	12.83	0.760	19.3	1,160	80	4,640	320	1.6	40	329
PH782-10	-10	0.80	5/8	16.00	0.857	21.8	1,088	75	4,350	300	1.8	45	423
PH782-12	-12	0.90	3/4	19.18	1.060	26.9	870	60	4,205	290	2.2	55	548
PH782-16	-16	1.00	1	25.53	1.370	34.8	580	40	3,045	210	2.4	60	703
PH782-20	-20	1.00	1.1/4	32.00	1.730	43.9	580	40	3,045	210	3.1	80	911
PH782-24	-24	1.00	1.1/2	38.50	1.940	49.3	508	35	2,538	175	3.9	100	1311
PH782-32	-32	1.10	2	51.00	2.470	62.7	363	25	1,958	135	4.9	125	1655



Temperature Range: Continuous: -54°C to +260°C

Intermittent: max. +220°C

PH783 - CONVOLUTED PTFE HOSE WITH HELIX WIRE AND POLYPROPYLENE YARN

STANDARD WALL

Polyhose Proprietary Product

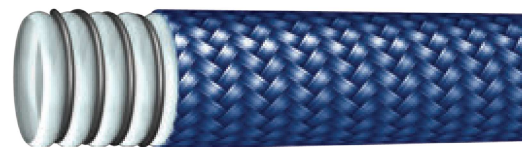
Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)
External AISI 304 Wire Support

Reinforcement Single braid of polypropylene yarn

Application High temperature lines where vibrations and frequent handling are involved

Note: Available in medium wall version and our part # shall be PH793. Available with PVDF yarn braid and our part # shall be PH784 and available in medium wall version and our part # shall be PH794



Item Code	Dash Size	WT	ID		OD		WP		V	BP		BR/r		W
			inch	mm	inch	mm	psi	bar		mbar	psi	bar	inch	
PH783-08	-8	0.75	1/2	12.70	0.866	22.0	290	20	899	1,160	80	1.3	32	361
PH783-10	-10	0.80	5/8	15.88	1.063	27.0	218	15	899	870	60	1.6	40	426
PH783-12	-12	0.90	3/4	19.05	1.252	31.8	218	15	899	870	60	2.0	50	548
PH783-16	-16	1.00	1	25.40	1.472	37.4	218	15	899	870	60	2.4	60	599
PH783-20	-20	1.00	1.1/4	31.75	1.776	45.1	145	10	899	580	40	3.1	80	830
PH783-24	-24	1.00	1.1/2	38.10	1.988	50.5	145	10	899	580	40	3.9	100	1162
PH783-32	-32	1.10	2	50.80	2.500	63.5	145	10	899	580	40	4.9	125	1433



Temperature Range: Continuous: -54°C to +180°C Intermittent: max. +160°C

PH785 - CONVOLUTED PTFE HOSE WITH POLYPROPYLENE YARN - STANDARD WALL

Polyhose Proprietary Product

Construction

Core Helically convoluted sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of polypropylene yarn

Application High temperature lines where vibrations and frequent handling are involved. Reduced weight makes it suitable for easy handling

Note: Available in medium wall version and our part # shall be PH795. Available with PVDF yarn braid and our part # shall be PH786 and available in medium wall version and our part # shall be PH796



Item Code	Dash Size	WT	ID		OD		WP		V	BP		BR/r		W
			inch	mm	inch	mm	psi	bar		mbar	psi	bar	inch	
PH785-08	-8	0.75	1/2	12.70	0.866	22.0	290	20	899	1,160	80	1.6	40	321
PH785-10	-10	0.80	5/8	15.88	1.063	27.0	218	15	899	870	60	2.0	50	356
PH785-12	-12	0.90	3/4	19.05	1.252	31.8	218	15	899	870	60	2.2	55	473
PH785-16	-16	1.00	1	25.40	1.472	37.4	218	15	899	870	60	2.6	65	519
PH785-20	-20	1.00	1.1/4	31.75	1.776	45.1	145	10	899	580	40	4.1	105	715
PH785-24	-24	1.00	1.1/2	38.10	1.988	50.5	145	10	899	580	40	4.9	125	767
PH785-32	-32	1.10	2	50.80	2.500	63.5	145	10	899	580	40	5.9	150	988



Temperature Range: Continuous: -54°C to +180°C Intermittent: max. +160°C

PH775 - GAS HOSE - ARAMID

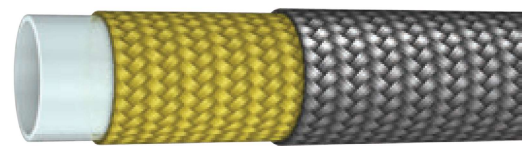
Polyhose Proprietary Product

Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement One or more braids of aramid fiber with one braid of 304 stainless steel wire. Thicker wall in PTFE core guarantees minimum diffusion and making ideal for gas applications

Application Very high pressure gas lines



Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	
PH775-04	-4	1.00	1/4	6.35	0.485	12.3	6,018	415	24,070	1,660	2.0	51	205
PH775-06	-6	1.00	3/8	9.65	0.620	15.7	5,075	350	20,300	1,400	2.8	70	252

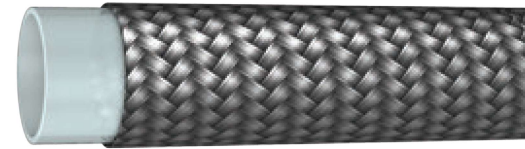


Temperature Range: Continuous: -54°C to +260°C Intermittent: max. +220°C

THERMOPLASTIC - PTFE HOSE

PH776 - GAS HOSE - 1W

Polyhose Proprietary Product



Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304 Stainless steel wire. Thicker wall in PTFE core guarantees minimum diffusion and making ideal for gas applications

Application High pressure gas lines like gas cylinders, breathing apparatus and aerosol charging lines.

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH776-02	-2	1.00	1/8	3.35	0.255	6.5	3379	233	13,514	932	1.5	38	65
PH776-03	-3	1.00	3/16	4.83	0.340	8.6	3002	207	11,992	827	2.0	51	90
PH776-04	-4	1.00	1/4	6.35	0.390	9.9	2755	190	11,020	760	2.5	64	140
PH776-05	-5	1.00	5/16	8.03	0.470	11.9	2465	170	9,860	680	3.0	76	168
PH776-06	-6	1.00	3/8	9.65	0.520	13.2	2248	155	8,990	620	3.5	89	200
PH776-07	-7	1.00	13/32	10.36	0.620	15.7	2030	140	8,120	560	4.0	102	210
PH776-08	-8	1.00	1/2	12.70	0.660	16.8	1813	125	7,250	500	5.1	130	265



Temperature Range: Continuous: -54°C to +260°C

Intermittent: max. +220°C

PH777 - BRAKE FLUID HOSE

Polyhose Proprietary Product

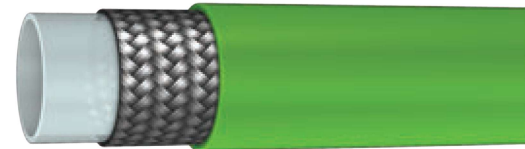
Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Single braid of 304 series of stainless steel wire

Cover PVC / PU (Polyurethane) neon green

Application For braking systems in mountain bikes and motorcycles



Note: Special colours available on request

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH777-02	-2	0.80	1/8	3.50	0.287	7.3	4655	321	14,007	966	1.5	38	93
PH777-03	-3	0.76	3/16	4.90	0.345	8.8	4000	276	12,006	828	2.0	51	122
PH777-04	-4	0.76	1/4	6.35	0.392	10.0	2973	205	8,918	615	2.8	70	164



Temperature Range: Continuous: -54°C to +260°C

Intermittent: max. +220°C

PH778 - NITROGEN GAS HOSE

Polyhose Proprietary Product

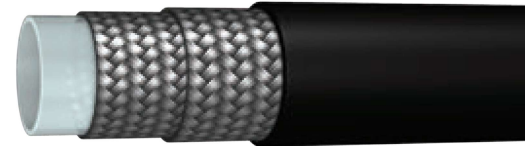
Construction

Core Sintered tube of polytetrafluoroethylene (P.T.F.E)

Reinforcement Double braids of 316L Stainless steel wire

Cover Neoprene, Black

Application Off shore nitrogen gas transfer lines



Note: Special colours available on request

Item Code	Dash Size	WT	ID		OD		WP		BP		BR/r		W
			inch	mm	inch	mm	psi	bar	psi	bar	inch	mm	g/m
PH778-04	-4	1.00	1/4	6.35	0.535	13.6	5293	365	15,878	1095	2.6	65	310
PH778-06	-6	1.00	3/8	9.65	0.645	16.4	4133	285	12,398	855	3.5	90	401
PH778-08	-8	1.10	1/2	12.70	0.790	20.1	3480	240	10,440	720	5.1	130	522
PH778-10	-10	1.20	5/8	15.88	0.950	24.1	3045	210	9,135	630	6.9	175	687
PH778-12	-12	1.20	3/4	19.05	1.120	28.4	2610	180	7,830	540	7.9	200	885
PH778-16	-16	1.25	1	25.40	1.320	33.5	1958	135	5,873	405	9.8	250	1042



Temperature Range: Continuous: -54°C to +260°C

Intermittent: max. +220°C