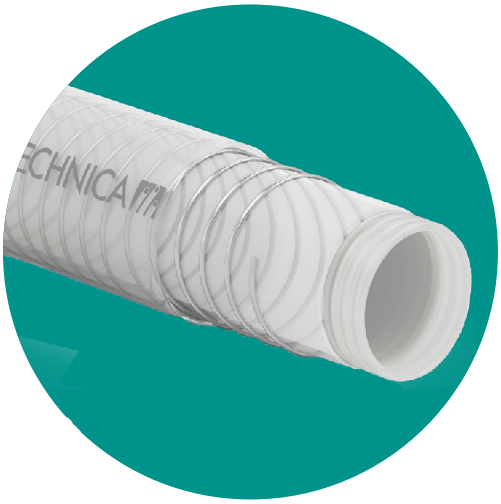
PTFE

Contents

PTFE Core Wire Helix Silicone Cover

TSTH



See-trough, flexible suction and delivery hose manufactured, tested and packed in a controlled cleanroom (ISO 14644 class 8) for cosmetic, pharmaceutical and food products, chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the pharmaceutical, cosmetic, chemical and foodstuff industries, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). **Manufactured** according to GMP (Reg. (CE) 2023/2006). Not intended for use as an implant material. Not suitable for blood or human fluids. PTFE tubing easy to flare.

TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and oxidation. It **complies** with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies Ministry of Health and Welfare Notice No.370,1959 and No.201,2006.

SPECIFICATIONS

Inner Bore: TEFLON™ PTFE, clear, smooth inner side, corrugated outer side, phthalates free, tested in compliance with 1907/2006/CE (REACH)

Reinforcements: Stainless steel wire helices.

Outer surface: Smooth, platinum-cured extruded silicone, transparent,glossy, cover. Heat, ageing, ozone and abrasion resistant.

Standard: ISO 1307 for dimensional tolerances

Temperature range: -25°C / +80°C (-13°F / +176°F)

Norm : ISO 1307 for dimensional tolerances

Product Number	ø I.D Ins. diameter		ø O.D. Outs. Diameter		Working Pressure		Burst Pressure		Appr. Weight		Vacuum	Bending Radius	
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	%	(mm)	(in)
TSTH-0750	19	0,75	34	1,34	10	150	30	450	0,57	0,38	0,9	80	3,15
TSTH-1000	25	1,00	37	1,46	9	135	27	405	0,81	0,54	0,9	100	3,94
TSTH-1500	38	1,50	54	2,13	7	105	21	315	1,78	1,20	0,9	155	6,10

PTFE Core Wire Helix Gloss Cover — TGWH

Flexible suction and delivery hose manufactured, tested and packed in a controlled cleanroom (ISO 14644 class 8) for cosmetic, pharmaceutical and food products, chemical and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the pharmaceutical, cosmetic, chemical and foodstuff industries, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). **Manufactured** according to GMP (Reg. (CE) 2023/2006). **Not intended** for use as an implant material. Not suitable for blood or human fluids. PTFE tubing easy to flare.

TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and oxidation. It **complies** with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies Ministry of Health and Welfare Notice No.370,1959 and No.201,2006.

GMP CE 2023/2006 · PHTHALATES REACH FREE · FDA · DM 21/03/1973 · USP CLASS VI · ISO 10993 · CE 1935/2004 · CE 10/2011 1245/2020 · RPSCQC No. 72

SPECIFICATIONS

Inner Bore: White TEFLON™ PTFE, clear, smooth inner side, corrugated outer side, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Reinforcements: Synthetic plies, stainless steel wire helices.

Outer surface: Smooth, platinum-cured silicone, white, glossy. Heat, ageing and ozone resistant.

Standard: ISO 1307 for dimensional tolerances

Outer surface: Smooth, platinum-cured silicone, white, glossy. Heat, ageing and ozone resistant.

Temperature range: -25°C / +80°C (-13°F / +176°F)

Norm : ISO 1307 for dimensional tolerances

Product Number	ø I.D Ins. diameter		ø O.D. Outs. Diameter		Working Pressure		Burst Pressure		Appr. Weight		Vacuum	Bending Radius	
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	%	(mm)	(in)
TGWH-1000	25	1,00	42	1,65	10	150	40	600	1,22	0,82	0,9	100	3,94
TGWH-1500	38	1,50	58	2,28	8	120	32	480	2,14	1,44	0,9	155	6,10
TGWH-2000	*50	2,00	67,5	2,66	7	105	28	420	2,58	1,73	0,9	200	7,87

Data refer to ambient temperature (20°C); we recommend a reduction of 20% working pressure for every 100°C of temperature increase.
Items that have the internal diameter of 50mm, please be aware that they are manufactured in a standard production line and not in a controlled cleanroom environment.
We reserve the right to supply in random lengths shorter than 40 mt or 20 mt.

PTFE Core Wire Helix Conductive Cover — MD

Flexible suction and delivery hose for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). **Manufactured** according to GMP (Reg. (CE) 2023/2006). **Not intended** for use as an implant material. Not suitable for blood or human fluids. PTFE tubing easy to flare.

TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It **complies** with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies Ministry of Health and Welfare Notice No.370,1959 and No.201,2006.

SPECIFICATIONS

Inner Bore: TEFLON™ PTFE, black, conductive, smooth inner side, corrugated outer side, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Reinforcements: Synthetic plies, stainless steel wire helices.

Outer surface: Smooth, EPDM, black, conductive, cloth finish. Abrasion, ageing and ozone resistant.

Standard: ISO 1307 for dimensional tolerances

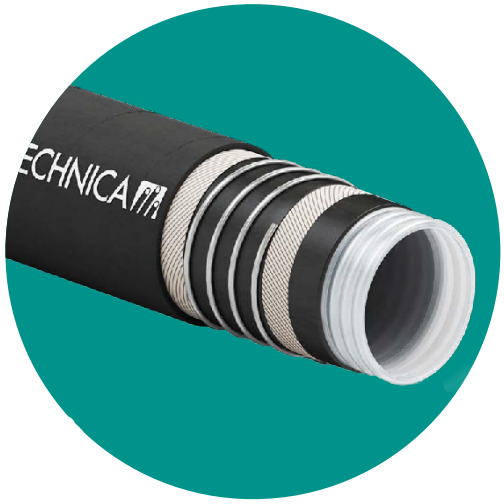
Temperature range: -40°C / +150°C (-40°F / +302°F). The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

ELECTRICAL PROPERTIES: antistatic, through the hose wall ($R < 10^9\ \Omega$), according to UNI EN ISO 8031; conductive, tube ($R < 10^7\ \Omega$) and cover conductive ($R < 10^6\ \Omega$), according to UNI EN ISO 8031.

Norm : ISO 1307 for dimensional tolerances

Product Number	ø I.D Ins. diameter		ø O.D. Outs. Diameter		Working Pressure		Burst Pressure		Appr. Weight		Vacuum	Bending Radius	
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	%	(mm)	(in)
MD-0750	19	0,75	33	1,30	16	250	64	1000	0,85	0,57	0,9	50	1,97
MD-1250	32	1,25	49	1,93	16	250	64	1000	1,64	1,10	0,9	100	3,94
MD-1000	25	1,00	40	1,57	16	250	64	1000	1,13	0,76	0,9	70	2,76
MD-1500	38	1,50	56	2,20	16	250	64	1000	1,99	1,34	0,9	140	5,51
MD-2000	50	2,00	71	2,80	16	250	64	1000	3,13	2,10	0,9	200	7,87

PTFE Core Wire Helix Conductive Cloth — TMD



Flexible suction and delivery hose for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). **Manufactured** according to GMP (Reg. (CE) 2023/2006). **Not intended** for use as an implant material. Not suitable for blood or human fluids. PTFE tubing easy to flare.

TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and oxidation. It **complies** with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies Ministry of Health and Welfare Notice No.370,1959 and No.201,2006.

SPECIFICATIONS

Inner Bore: TEFLON™ PTFE, clear, smooth inner side, corrugated outer side, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Reinforcements: Synthetic plies, stainless steel wire helices.

Outer surface: Smooth, EPDM, black, conductive, cloth finish. Abrasion, ageing and ozone resistant.

Standard: ISO 1307 for dimensional tolerances

Temperature range: -40°C / +150°C (-40°F / +302°F). The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

ELECTRICAL PROPERTIES: conductive cover ($R < 10^6\ \Omega$), according to UNI EN ISO 8031.

Norm : ISO 1307 for dimensional tolerances

Product Number	ø I.D Ins. diameter		ø O.D. Outs. Diameter		Working Pressure		Burst Pressure		Appr. Weight		Vacuum	Bending Radius	
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	%	(mm)	(in)
TMD-0750	19	0,75	33	1,30	16	250	64	1000	0,85	0,57	0,9	50	1,97
TMD-1250	32	1,25	49	1,93	16	250	64	1000	1,64	1,10	0,9	100	3,94
TMD-1000	25	1,00	40	1,57	16	250	64	1000	1,13	0,76	0,9	70	2,76
TMD-1500	38	1,50	56	2,20	16	250	64	1000	1,99	1,34	0,9	140	5,51
TMD-2000	50	2,00	71	2,80	16	250	64	1000	3,13	2,10	0,9	200	7,87

PTFE Core Wire Helix Cloth Cover

TBG

Suction and delivery hose for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomer's, with excellent chemical and mechanical properties. **Not intended** for use as an implant material. Not suitable for blood or human fluids.

PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It **complies** with FDA 21 CFR 177.1550 standards, USP XXXVI class VI, ISO 10993 Sections 5,10,11:2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE, 3A Sanitary Standard Class II

SPECIFICATIONS

Inner Bore: PTFE, co-extruded clear/white pigmented, smooth, phthalates free, tested in compliance with 1907/2006/ CE (REACH).

Reinforcement: Synthetic plies, stainless steel wire helices, a/s wires to discharge static electricity

Outer surface: Smooth, green, abrasion, ageing and ozone resistant, cloth.

Sterilization: Refer to guidelines for cleaning and sanitizing

Temperature range: -40°C / +150°C (-40°F / +302°F). The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

Norm: ISO 1307 for dimensional tolerances

Product Number	I.D Ins. diameter		O.D. Outs. Diameter		Working Pressure		Bending Radius		Burst Pressure		Vacuum		Appr. weight		Standard Length
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	(ft)
TBG-0500	13	0.50	25	1.00	10	150	75	2.95	40	600	0.9	13	0.51	0.34	130
TBG-0750	19	0.75	31	1.22	10	150	110	4.33	40	600	0.9	13	0.66	0.44	130
TBG-1000	25	1.00	37	1.46	10	150	150	5.91	40	600	0.9	13	0.81	0.54	130
TBG-1250	32	1.25	44	1.73	10	150	200	7.87	40	600	0.9	13	1.11	0.74	130
TBG-1500	38	1.50	51	2.00	10	150	240	9.45	40	600	0.9	13	1.35	0.90	130
TBG-1970	50	1.97	66	2.60	10	150	320	12.60	40	600	0.9	13	2.06	1.38	130

Data refer to ambient temperature (20°C). Other diameters, wall thickness, cover colors and pressure only on specific request.
We reserve the right to supply in random lengths shorter than 40mt or 20mt.

PTFE Core Wire Helix EPDM Corrugated Cover TFTBEP.C

Suction and delivery hose designed according to EN 12115 standards for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomer's, with excellent chemical and mechanical properties. **Not intended** for use as an implant material. Not suitable for blood or human fluids.

PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It complies with FDA 21 CFR 177.1550 standards, USP XXXVI class VI, ISO 10993 Sections 5,10,11:2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE, 3A Sanitary Standard Class II

GMP CE 2023/2006 · PHTHALATES REACH FREE · FDA · DM 21/03/1973 · USP CLASS VI · ISO 10993 · CE 10/2011 1245/2020 · RPSCQC No. 72 · CE 1935/2004

SPECIFICATIONS

Inner Bore: PTFE, co-extruded clear/ white pigmented, smooth, phthalates free, tested in compliance with 1907/ 2006/ CE (REACH).

Reinforcement: Synthetic plies, stainless steel wire helices, a/s wires to discharge static electricity.

Outer surface: Wide corrugated, EPDM, black, conductive, abrasion, ageing and ozone resistant, cloth finish.

Sterilization: Refer to guidelines for cleaning and sanitizing.

Temperature range: -40°C / +150°C (-40°F / +302°F). The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

Electrical properties: Type Ω according to norm EN 12115 ($R<10^6\Omega$).

Norm: EN 12115 - TRbF 131/2.

Product Number	I.D Ins. diameter		O.D. Outs. Diameter		Working Pressure		Bending Radius		Burst Pressure		Vacuum		Appr. weight		Standard Length
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	(ft)
TFTBEP.C-0500	13.0	0.50	25.0	1.00	10	150	55	2.17	40	600	0.9	13	0.49	0.33	130
TFTBEP.C-0750	19.0	0.75	31.0	1.22	10	150	75	2.95	40	600	0.9	13	0.64	0.43	130
TFTBEP.C-1000	25.0	1.00	37.0	1.46	10	150	95	3.74	40	600	0.9	13	0.79	0.53	130
TFTBEP.C-1250	32.0	1.25	44.0	1.73	10	150	115	4.53	40	600	0.9	13	0.90	0.60	130
TFTBEP.C-1500	38.0	1.50	51.0	2.00	10	150	140	5.51	40	600	0.9	13	1.22	0.82	130
TFTBEP.C-1970	50.0	1.97	66.0	2.60	10	150	190	7.48	40	600	0.9	13	1.95	1.31	130
TFTBEP.C-2500	63.5	2.50	79.5	3.13	10	150	245	9.65	40	600	0.9	13	2.54	1.70	65
TFTBEP.C-2950	75.0	2.95	91.0	3.58	10	150	330	12.99	40	600	0.9	13	2.95	1.97	65
TFTBEP.C-3940	100.0	3.94	116.0	4.57	10	150	475	18.70	40	600	0.9	13	3.82	2.56	65

PTFE Core Wire Helix Conductive EPDM Cover — TFTBEP

Suction and delivery hose designed according to EN 12115 standards for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomer's, with excellent chemical and mechanical properties. **Not intended** for use as an implant material. Not suitable for blood or human fluids.

PTFE is a polymer with excellent resistance to high temperature, mechanical stress and to oxidation. It complies with FDA 21 CFR 177.1550 standards, USP XXXVI class VI, ISO 10993 Sections 5,10,11:2009, EUROPEAN REGLEMENT 1935/2004/CE AND 10/2011/CE, 3A Sanitary Standard Class II

GMP CE 2023/2006 · PHTHALATES REACH FREE · FDA · DM 21/03/1973 · USP CLASS VI · ISO 10993 · CE 10/2011 1245/2020 · RPSCQC No. 72 · CE 1935/2004

SPECIFICATIONS

Inner Bore:PTFE, co-extruded clear/ white pigmented, smooth, phthalates free, tested in compliance with 1907/ 2006/ CE (REACH).

Reinforcement: Synthetic plies, stainless steel wire helix, a/s wires to discharge static electricity

Outer surface: Smooth, EPDM, black, conductive, abrasion, ageing and ozone resistant, cloth finish

Sterilization: Refer to guidelines for cleaning and sanitizing

Temperature range: -40°C / +150°C (-40°F / +302°F). The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

Electrical properties: Type Ω according to norm EN 12115 ($R<10^6\Omega$)

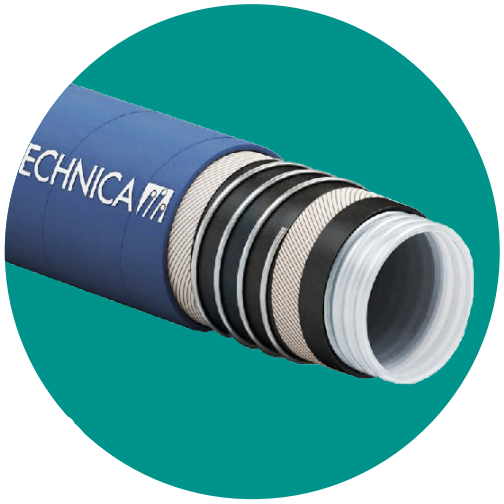
Norm: EN 12115 - TRbF 131/2

Product Number	I.D Ins. diameter		O.D. Outs. Diameter		Working Pressure		Bending Radius		Burst Pressure		Vacuum		Appr. weight		Standard Length
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	(ft)
TFTBEP-0500	13.0	0.50	25.0	1.00	16	250	90	3.54	64	1000	0.9	13	0.54	0.36	130
TFTBEP-0750	19.0	0.75	31.0	1.22	16	250	130	5.12	64	1000	0.9	13	0.70	0.47	130
TFTBEP-1000	25.0	1.00	37.0	1.46	16	250	170	6.69	64	1000	0.9	13	0.86	0.58	130
TFTBEP-1250	32.0	1.25	44.0	1.73	16	250	215	8.46	64	1000	0.9	13	1.18	0.79	130
TFTBEP-1500	38.0	1.50	51.0	2.00	16	250	255	10.04	64	1000	0.9	13	1.43	0.96	130
TFTBEP-1970	50.0	1.97	66.0	2.60	16	250	330	12.99	64	1000	0.9	13	2.08	1.39	130
TFTBEP-2500	63.5	2.50	79.5	3.13	16	250	430	16.93	64	1000	0.9	13	2.96	1.98	65
TFTBEP-2950	75.0	2.95	91.0	3.58	16	250	510	20.08	64	1000	0.9	13	3.43	2.30	65
TFTBEP-3940	100.0	3.94	116.0	4.57	16	250	675	26.57	64	1000	0.9	13	4.60	3.08	65

Data refer to ambient temperature (20°C).
We reserve the right to supply in random lengths shorter than 40mt or 20mt.

PTFE Smooth Core Wire Helix Cloth

EB



Flexible suction and delivery hose for chemicals and solvents, except for chlorine trifluoride, chlorine and fluorine gas, oxygen difluoride, phosgene and molten alkalis (for ex. sodium).

Designed for the chemical industry, foodstuff, pharmaceutical and cosmetic industry, where a flexible connection is required. The hose is produced with high quality elastomers, with excellent chemical and mechanical properties. Hose tested according to the main norms for food contact materials (FCM – Reg. (CE) 1935/2004). **Manufactured** according to GMP (Reg. (CE) 2023/2006). **Not intended** for use as an implant material. Not suitable for blood or human fluids. PTFE tubing easy to flare.

TEFLON™ PTFE is a polymer with excellent resistance to high temperature, mechanical stress and oxidation. It **complies** with FDA 21 CFR 177.1550; DM 21/03/1973 and subsequent amendments; USP class VI main requirements; ISO 10993 - 5:2009, 11:2006; REGULATION 1935/2004/CE; REGULATION 10/2011/CE; REGULATION 1245/2020/CE; 3-A RPSCQC for (62-02) Hose Assemblies Ministry of Health and Welfare Notice No.370,1959 and No.201,2006.

SPECIFICATIONS

Inner Bore: TEFLON™ PTFE, clear, smooth inner side, corrugated outer side, phthalates free, tested in compliance with 1907/2006/CE (REACH).

Reinforcements: Synthetic plies, stainless steel wire helices.

Outer surface: Smooth, EPDM, blue, cloth finish. Abrasion, ageing and ozone.

Standard: ISO 1307 for dimensional tolerances

Temperature range: -40°C / +150°C (-40°F / +302°F).
The operating temperature of the hose is directly dependent upon the specific fluid been conveyed and the length of time the fluid is in contact with the hose.

Norm : ISO 1307 for dimensional tolerances

Product Number	ø I.D Ins. diameter		ø O.D. Outs. Diameter		Working Pressure		Burst Pressure		Appr. Weight		Vacuum	Bending Radius	
	(mm.)	(in.)	(mm.)	(in.)	(Bar)	(PSI)	(Bar)	(PSI)	(kg/mt)	(lbs/ft)	%	(mm)	(in)
EB-0750	19	0,75	33	1,30	16	250	64	1000	0,85	0,57	0,9	50	1,97
EB-1250	32	1,25	49	1,93	16	250	64	1000	1,64	1,10	0,9	100	3,94
EB-1000	25	1,00	40	1,57	16	250	64	1000	1,13	0,76	0,9	70	2,76
EB-1500	38	1,50	56	2,20	16	250	64	1000	1,99	1,34	0,9	140	5,51
EB-2000	50	2,00	71	2,80	16	250	64	1000	3,13	2,10	0,9	200	7,87