

EXPERTS IN TECHNICAL HOSES

ESPIROFLEX



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OUR WEB PAGE**

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ISO 9001:2008 CERTIFICATES



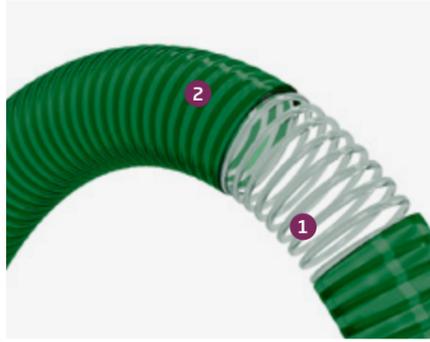
 **ESPIROFLEX**

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**TECHNICAL HOSES
FOR AGRICULTURE**

Transliquid® Superelastic

Hose for pumping by suction and impulsion of liquids, especially indicated for low temperatures.



Features

- For agricultural and industrial use.
- The hose wall is smooth, both inside and outside. Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 60°C.

Applications

- Hose for pumping and suction of liquids. Specially designed for low temperatures. Slurry pumping and suction hose. Special hose design for maximum flexibility.

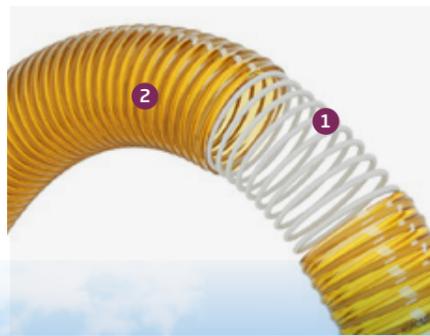
Ø INT mm	Ø INT pulg.	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H2O
19	3/4"	3.3	290	6	18	60	9
25	1"	3.5	395	6	18	75	9
32	1 1/4"	3.5	489	5	15	95	9
38	1 1/2"	3.5	630	4	12	120	9
40	1 5/8"	3.5	660	4	12	120	9
45	1 3/4"	3.5	738	4	12	135	9
51	2"	4.0	810	4	12	150	9
60	2 1/2"	4.3	960	4	12	180	9
76	3"	4.5	1575	4	12	225	9

1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Flexible, translucent PVC material.



Agromedium®

Hose for suction and delivery pumping of agricultural and industrial irrigation with a moderate aggressiveness index.



Features

- For agricultural and industrial use. Available in food grade version, orange colour.
- The tube wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with the PVC resistance table.
- The recommended operating temperature is between -10 °C and 60 °C.

Applications

- Suction and impulsion in agricultural, industrial and slurry irrigation. Transport of granulated materials and drainage of cesspools.

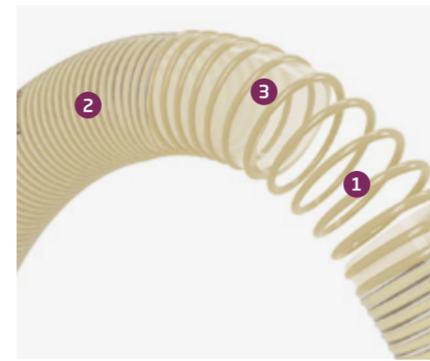
Ø INT mm	Ø INT pulg.	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H2O	AVAILABLE IN COLOUR
51	2"	5	960	5	15	250	9	Grey
55	2 1/8"	5	1120	5	15	275	9	Grey
60	2 1/2"	5.5	1300	5	15	300	9	Grey
63	2 1/2"	5.5	1360	5	15	315	9	Green
70	2 3/4"	6	1520	5	15	350	9	Green
76	3"	6	1600	5	15	375	9	Green
80	3 1/8"	6	1700	4	12	400	9	Yellow
90	3 1/2"	6	2050	4	12	450	9	Yellow
102	4"	7	2650	3	9	500	9	Yellow
110	4 1/4"	7	2850	3	9	550	9	Yellow
120	4 3/4"	7.5	3100	3	9	600	9	Yellow
127	5"	7.5	3200	3	9	625	9	Yellow
152	6"	8	5000	3	9	750	9	Yellow
203	8"	11	8100	2.5	7.5	1000	9	Yellow
254	10"	12.5	10400	2.5	7.5	1250	9	Yellow
305	12"	13.5	12000	2.5	7.5	1500	9	Yellow

1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Flexible PVC material.



Espiroseeder® PU

Flexible PVC hose, reinforced with a rigid, anti-shock PVC spiral equipped with antistatic material and inner layer of PU for maximum abrasion resistance against seeds transport erosion.



Features

- For industrial and agricultural use.
- Flexible, translucent PVC with a special formulation of low, superficial electrical resistivity, which grants the hose antistatic properties. ($10^9 < \rho < 10^{11} \Omega \cdot m$).
- Interior PU liner.
- The hose wall surface is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -20°C and 60°C.

Applications

- Pumping of seeds in sowing machines.
- Pumping and suction of liquids in applications where the hose must have antistatic properties.

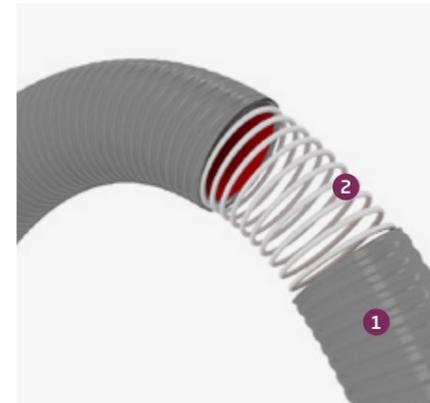
Ø INT mm	Ø INT pulg.	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H2O
30	1 1/8"	2.6	345	4	12	60	9
32	1 1/4"	2.6	365	4	12	60	9
35	1 3/8"	2.6	395	4	12	70	9

1. Rigid, anti-shock PVC spiral that grants the hose consistency.
2. Flexible PVC with antistatic properties.
3. Inner layer of PU for maximum abrasion resistance against seeds transport erosion.



Transfort®

Pumping and suction hose for slurries, industrial irrigation, cesspits, bilges and products with a high aggressiveness index.



Features

- For agricultural and industrial use.
- The hose wall is smooth on the inside and corrugated on the outside. Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Pumping and suction in agricultural and industrial irrigation and slurry.
- Transport of granulated materials and drainage of cesspits.

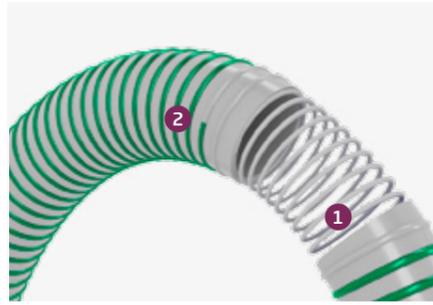
Ø INT mm	Ø INT pulg.	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H2O
40	1 5/8"	5	765	5	15	200	9
45	1 3/4"	5.5	900	5	15	225	9
51	2"	5.5	1080	5	15	250	9
55	2 1/8"	5.5	1180	5	15	275	9
60	2 1/2"	6.2	1440	5	15	300	9
63	2 1/2"	6.2	1500	5	15	315	9
70	2 3/4"	6.5	1650	5	15	350	9
76	3"	6.5	1800	5	15	375	9
80	3 1/8"	6.5	1980	4	12	400	9
90	3 1/2"	7	2340	4	12	450	9
102	4"	7.5	2970	3	9	500	9
110	4 1/4"	7.5	3240	3	9	550	9
120	5"	7.5	3500	3	9	600	9
127	5"	7.5	3600	3	9	625	9
130	5 1/2"	7.5	3750	3	9	650	9
140	6"	7.5	5300	3	9	700	9
152	6"	9.5	5670	3	9	750	9
160	8"	9.5	6000	3	9	800	9
203	10"	11.5	9250	2.5	7.5	1000	9
254	12"	12.5	11700	2.5	7.5	1250	9
305	12"	12.5	13500	2.5	7.5	1500	9

1. Flexible PVC material in opaque grey.
2. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.



Transfort® Superelastic

Highly flexible hose for industrial irrigation and mobile tanks. Especially recommended for facilities at low temperatures. For pumping and suction of slurries and products with a high aggressiveness index. Suitable for temperatures down to -25°C.



1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Flexible, super-elastic PVC material resistant to low temperatures, in blue.

TANKER TRUCK

AGRICULTURAL USE

GREATER FLEXIBILITY

HIGH QUALITY CONTROL

INDUSTRIAL USE

FREE FROM Cd / Pb / Ba

FOOD USE

Temperature
-25°C | +60°C

Features

- For agricultural and industrial use. Great flexibility, even at low temperatures.
- The hose wall is smooth on the inside and corrugated on the outside. It is equipped with a helical band that grants it greater resistance to abrasion when dragged across the ground.
- Good chemical resistance associated with PVC's resistance chart. Recommended temperature for use between -25°C and 60°C. Option in blue-black or gray-green.

Applications

- Pumping and suction in agricultural and industrial irrigation and slurry.
- Transport of granulated materials and drainage of cesspits.
- Particularly suitable for low temperatures.
- Designed especially for use in tanker trucks.

ø INT mm	ø INT pulg.	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	VACUUM m H ₂ O
40	1" 5/8	4,5	730	6	18	160	9
45	1" 3/4	5	900	6	18	180	9
51	2"	5,2	1050	5	15	200	9
60	2" 1/32	5,5	1250	4,5	13,5	240	9
63	2" 1/2	6	1390	4,5	13,5	250	9
70	2" 3/4	6,5	1600	4,5	13,5	280	9
76	3"	6,5	1700	4	12	300	9
80	3" 1/8	6,5	1850	3,5	10,5	320	9
90	3" 1/2	6,7	2250	3,5	10,5	360	9
102	4"	7,3	2700	3	9	410	9
110	4" 5/16	7,5	3100	3	9	440	9
120	5"	8	3600	2,5	7,5	480	9
127	6"	8,3	3900	2,5	7,5	500	9
152	8"	9,5	5000	2	6	600	9
203	10"	12,1	10000	2	6	800	9
254	10"	12,1	12400	1,5	4,5	1000	9

Transfort® Superflex

Highly flexible hose for industrial irrigation and mobile tanks. Especially recommended for facilities at low temperatures. For pumping and suction of slurries and products that are highly aggressive. Suitable for temperatures down to -40°C.



1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency. 2. Helical, anti-abrasion band made from polyurethane, in blue. 3. Flexible, super-elastic PVC material resistant to low temperatures, in black.

TANKER TRUCK

AGRICULTURAL USE

FREE FROM Cd / Pb / Ba

HIGH QUALITY CONTROL

INDUSTRIAL USE

Temperature
-40°C | +60°C

Features

- For agricultural and industrial use. Great flexibility, even at low temperatures.
- The hose wall is smooth on the inside and corrugated on the outside. The exterior of the hose is covered by a blue helical band made from polyurethane, which grants it great resistance to the abrasion caused by dragging the hose along the ground.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -40°C and 60°C.

Applications

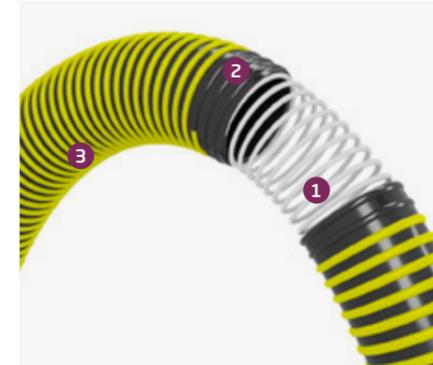
- Pumping and suction in agricultural and industrial irrigation and slurry.
- Transport of granulated materials and drainage of cesspits. Particularly suitable for low temperatures. Designed especially for use in tanker trucks and portable tanks.

INT ø mm	INT ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	4,5	730	6	18	160	9
45	1" 3/4	5	900	6	18	180	9
51	2"	5,2	1050	5	15	200	9
60	2" 1/32	5,5	1250	4,5	13,5	240	9
63	2" 1/2	6	1390	4,5	13,5	250	9
70	3"	6,5	1600	4,5	13,5	280	9
76	3" 1/8	6,5	1700	4	12	300	9
80	3" 1/2	6,5	1850	3,5	10,5	320	9
90	3" 1/2	6,7	2250	3,5	10,5	360	9
102	4"	7,3	2700	3	9	410	9
110	5"	7,5	3100	3	9	440	9
120	6"	8	3600	2,5	7,5	480	9
127	5"	8,3	3900	2,5	7,5	500	9
152	6"	9,5	5000	2	6	600	9
203	8"	12,1	10000	2	6	800	9
254	10"	12,1	12400	1,5	4,5	1000	9



Espirotiger®

Hose designed to transport abrasive materials in harsh working conditions. Equipped with an internal layer comprised of nitrile rubber and PVC, in addition to a rigid, high-impact, external PVC spiral. Its special formulation makes this hose highly resistant and durable.



1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Internal layer comprised of nitrile rubber and PVC.
3. Rigid, high-impact, external, sliding PVC spiral.

INDUSTRIAL USE

CONSTRUCTION

UV PROTECTION

SMOOTH INTERIOR

ANTI-ABRASION

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

Features

- For industrial use. The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -20°C and 60°C.
- Rigid PVC spiral on the hose's external surface, granting it greater resistance to wear and tear caused by dragging, and reducing its coefficient of friction with all kinds of surfaces.

Applications

- Designed for use in civil works and shipyards.
- Transfer of abrasive materials, such as grains, gravel and cement.

INT ø mm	INT ø in	EXT ø mm	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
45	1" 3/4	55	5.0	750	7	21	100	9
51	2"	63	6.5	820	7	21	130	9
64	2" 1/2	79	7.5	1340	7	21	160	9
76	3"	91	8.0	1600	5	15	205	9
102	4"	118	8.0	2760	4.5	13.5	240	9
127	5"	150	12.5	4300	4.5	13.5	270	9
152	6"	175	12.5	5100	4	12	300	9
203	8"	227	13.5	7200	3.5	10.5	320	9

CE 1935/2004
UE 10/2011

Temperature
-10°C | +60°C

Espiroflat®

Single-layer flat hose, flexible, made of plasticised PVC, internally reinforced with polyester fibre.



1. Polyester fibre reinforcement to withstand moderate pressures. 2. Blue flexible PVC.

ECONOMIC

INDUSTRIAL USE

AGRICULTURAL USE

TRANSPORT OF WATER

HIGH QUALITY CONTROL

FREE FROM Cd / Pb / Ba

Features

- Made of industrial and agricultural PVC, coated with a polyester mesh, so that it forms only a single layer.
- High flexibility and lightness.
- Thanks to its flat structure, it is very handy and easy to roll up.
- Easy installation.
- Adapted hose clamps must be used in the application to ensure the proper subsequent functioning of the hose.
- The recommended operating temperature is between -10 °C and 60 °C.

Applications

- Agricultural drip irrigation pipelines.
- Water conveyance at low pressures.
- Particularly recommended for installations that require the hose to be drilled to install the drip fitting.

ø INT mm	INT ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	LONG ROLL mm
51	2"	1	230	4	12	100
63	2" 1/2	1.15	320	4	12	100
76	3"	1.15	400	4	12	100
90	3" 1/2	1.15	425	4	12	100
102	4"	1.20	445	4	12	100
110	4" 5/16	1.20	515	4	12	100
127	5"	1.35	800	4	12	100
152	6"	1.35	900	3	9	50
203	8"	2.20	1785	3	9	50

ISO 8029
ISO 7751

Temperature
-10°C | +60°C



Waterflat® M

Flat hose for liquid impulsion, agricultural irrigation and water transport in general at medium pressures. Grooved hose for greater resistance to dragging.



Features

- For industrial and agricultural use.
- Grooved hose for greater drag resistance.
- Its inner textile reinforcement allows it to withstand medium working pressures.
- Thanks to its flat structure, it is very easy to handle and can be easily rolled up, taking up little space.
- High flexibility and lightness.
- Easy to install.
- In the application, suitable clamps must be used to ensure the proper functioning of the hose.
- The recommended operating temperature is between -10 °C and 60 °C.

Applications

- Pumping in drainage, pumping, quarries,...
- Agricultural irrigation.
- Water transport in general.

1. Polyester fibre reinforcement to withstand medium pressures. 2. Opaque blue plasticised PVC. 3. Opaque black plasticised PVC.



INDUSTRIAL USE



AGRICULTURAL USE



HIGH QUALITY CONTROL



FREE FROM Cd/Pb/Ba



Ø INT mm	Ø INT in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
25	1"	2,2	240	10	30	±7	±10
30	1" 1/8	2,2	275	10	30	±7	±10
32	1" 1/4	2,2	290	10	30	±7	±10
35	1" 3/8	2,2	300	10	30	±7	±10
38	1" 1/2	2,2	335	10	30	±7	±10
40	1" 5/8	2,2	350	10	30	±7	±10
45	1" 3/4	2,2	400	10	30	±7	±10
51	2"	2,2	480	8	24	±7	±10
55	2" 1/8	2,2	500	7	21	±7	±10
63	2" 1/2	2,2	540	7	21	±7	±10
70	2" 3/4	2,2	620	7	21	±7	±10
76	3"	2,4	750	7	21	±7	±10
80	3" 1/8	2,4	800	7	21	±7	±10
90	3" 1/2	2,4	900	7	21	±7	±10
102	4"	2,4	1050	6	18	±7	±10
110	4" 5/16	2,4	1150	6	18	±7	±10
127	5"	2,5	1390	6	18	±7	±10
152	6"	3	1800	4	12	±7	±10
203	8"	2,5	2000	3	9	±7	±10

Waterflat® L

Flat hose to transfer and transport agricultural and construction irrigation at low pressure.



Features

- For industrial and agricultural use, and construction.
- Its interior textile reinforcement allows it to withstand working pressures.
- Thanks to its flat structure, it is easy to use and roll up, occupying little space.
- Highly flexible and light.
- Easy to install.
- Adapted clamps should be employed during use to ensure the hose's subsequent good functioning.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Transfer, transport and pumping of drinking water, fertilisers and other liquids in agricultural irrigation and in construction.

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%	COLOURS AVAILABLE
25	1"	1,6	180	6	18	±7	±10	● ●
30	1" 1/8	1,6	200	6	18	±7	±10	
35	1" 3/8	1,6	240	6	18	±7	±10	
40	1" 5/8	1,6	280	6	18	±7	±10	
45	1" 3/4	1,6	320	6	18	±7	±10	
51	2"	1,6	375	6	18	±7	±10	
55	2" 1/8	1,8	400	6	18	±7	±10	
63	2" 1/2	1,8	430	5	15	±7	±10	
70	2" 3/4	1,8	450	5	12	±7	±10	
76	3"	1,8	550	5	12	±7	±10	
80	3" 1/8	1,8	560	5	12	±7	±10	
90	3" 1/2	2,1	660	5	12	±7	±10	
102	4"	2,1	760	4	10,5	±7	±10	
110	4" 5/16	2,2	1000	4	10,5	±7	±10	
127	5"	2,2	1180	4	10,5	±7	±10	
152	6"	2,2	1300	4	10,5	±7	±10	

1. Polyester fibre reinforcement to withstand low pressure. 2. Plasticised PVC in black. 3. Plasticised PVC in light blue.



INDUSTRIAL USE



AGRICULTURAL USE



HIGH QUALITY CONTROL



FREE FROM Cd/Pb/Ba



CONSTRUCTION



Waterflat® H

Flat hose for liquid impulsion, agricultural irrigation and water transport in general at medium pressures. Grooved hose for greater resistance to dragging.



Features

- For industrial and agricultural use. Grooved hose for greater drag resistance.
- Its inner textile reinforcement allows it to withstand medium working pressures.
- Thanks to its flat structure, it is very easy to handle and can be easily rolled up, taking up little space. High flexibility and lightness. Easy to install.
- In the application, suitable clamps must be used to ensure the proper functioning of the hose.
- The recommended operating temperature is between -10 °C and 60 °C.

Applications

- Pumping in drainage, pumping, quarries,...
- Agricultural irrigation.
- Water transport in general.

1. Polyester fibre reinforcement to withstand medium pressures. 2. Opaque blue plasticised PVC. 3. Opaque black plasticised PVC.



INDUSTRIAL USE



AGRICULTURAL USE



HIGH QUALITY CONTROL



FREE FROM Cd/Pb/Ba



Ø INT mm	Ø INT in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	elongation ΔL%	dilation ΔD%
25	1"	2,2	240	10	30	±7	±10
30	1" 1/8	2,2	275	10	30	±7	±10
32	1" 1/4	2,2	290	10	30	±7	±10
35	1" 3/8	2,2	300	10	30	±7	±10
38	1" 1/2	2,2	335	10	30	±7	±10
40	1" 5/8	2,2	350	10	30	±7	±10
45	1" 3/4	2,2	400	10	30	±7	±10
51	2"	2,2	480	8	24	±7	±10
55	2" 1/8	2,2	500	7	21	±7	±10
63	2" 1/2	2,2	540	7	21	±7	±10
70	2" 3/4	2,2	620	7	21	±7	±10
76	3"	2,4	750	7	21	±7	±10
80	3" 1/8	2,4	800	7	21	±7	±10
90	3" 1/2	2,4	900	7	21	±7	±10
102	4"	2,4	1050	6	18	±7	±10
110	4" 5/16	2,4	1150	6	18	±7	±10
127	5"	2,5	1390	6	18	±7	±10
152	6"	3	1800	4	12	±7	±10
203	8"	2,5	2000	3	9	±7	±10

Espiroflat Rubber®

Flat hose composed of nitrile rubber and PVC with special resistance to industrial oils. Designed for pumps, civil works and agriculture.



1. Reinforced with high-tenacity polyester thread. 2. Black synthetic rubber. 3. Outer layer of transparent PVC for food use.



Features

- Non-toxic but not for food use.
- Minimum pressure drop thanks to its smooth wall.
- Manufactured on a circular loom with high tenacity polyester thread.
- External longitudinal grooves to improve abrasion resistance and improve handling.
- The recommended temperature for use is between -20 °C and 75 °C.

Applications

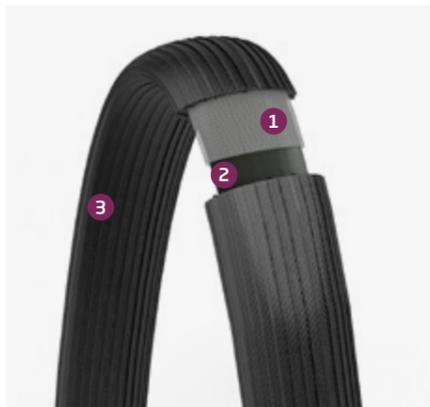
- Flat, easy-to-use hose for discharging pumps and use in construction works, quarries, mines and agriculture.
- Excellent resistance to abrasion and oils.

INT Ø mm	INT Ø in	TOTAL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
40	1" 5/8	2,1	360	10	30	±7	±10
45	1" 3/4	2,1	400	10	30	±7	±10
51	2"	2,1	450	8	24	±7	±10
63	2" 1/2	2,2	580	7	21	±7	±10
70	2" 3/4	2,2	645	7	21	±7	±10
75	3"	2,3	720	7	21	±7	±10
80	3" 1/8	2,3	770	7	21	±7	±10
90	3" 1/2	2,4	900	7	21	±7	±10
102	4"	2,4	1000	6	18	±7	±10
110	4" 5/16	2,5	1140	6	18	±7	±10
125	5"	2,7	1400	6	18	±7	±10
152	6"	3,0	1885	4	12	±7	±10



Sodigom®

Flexible flat hose made of black synthetic rubber, reinforced inside with polyester fibre, for pump unloading and used in construction sites, mines and agriculture in general.



1. Reinforced with high tenacity polyester high tenacity. 2. Black synthetic rubber. 3. Black synthetic rubber.



Features

- For industrial and agricultural use.
- Minimal load loss due to smooth wall.
- Manufacture on circular loom with high tenacity polyester yarn.
- External longitudinal grooves for improved abrasion resistance and better handling.
- The recommended operating temperature is between -20 °C and 80 °C.

Applications

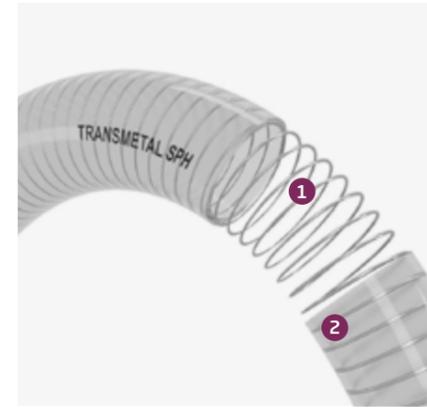
- Easy to handle flat hose for pump discharge, used in construction sites, quarries, mines and agriculture.
- Excellent abrasion and oil resistance.

Ø INT mm	Ø INT in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ELONGATION ΔL%	DILATION ΔD%
20	3/4"	2,1	180	20	60	±7	±10
25	1"	2,1	280	20	60	±7	±10
38	1" 1/2	2,1	350	16	48	±7	±10
45	1" 3/4	2,1	400	16	48	±7	±10
51	2"	2,25	500	16	48	±7	±10
63	2" 1/2	2,25	600	16	48	±7	±10
70	2" 3/4	2,50	680	15	45	±7	±10
76	3"	2,6	750	13	39	±7	±10
80	3" 1/8	2,7	900	13	39	±7	±10
90	3" 1/2	2,9	1000	13	39	±7	±10
102	4"	3	1100	13	39	±7	±10
110	4" 5/16	3	1400	10	30	±7	±10
127	5"	3	1700	10	30	±7	±10
152	6"	3	2400	10	30	±7	±10
203	8"	3	2400	10	30	±7	±10



Transmetal® Phthalates Free

Phthalate-free hose for transferring air, plastic chippings, alcoholic liquids (50% vol.), liquid foods and for vacuum pumps. Reinforced with a galvanised steel spiral, which grants it vacuum resistance.



1. Internal reinforcement with galvanised steel spiral. 2. Flexible, transparent, phthalate-free PVC material for food use.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011. (See declaration of conformity).
- Highly flexible.
- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

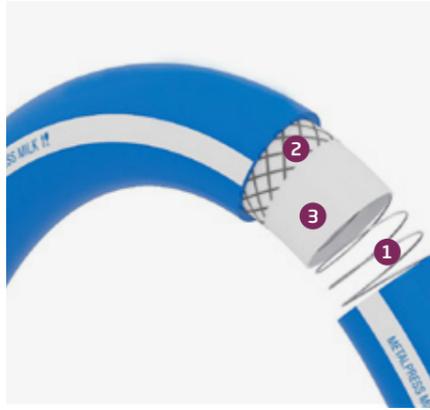
- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 50% vol. and milk products.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
10	3/8"	3.1	180	9	27	20	9
12	1/2"	3.1	190	9	27	20	9
13	1/2"	3.1	210	9	27	26	9
14	5/8"	3.1	230	9	27	28	9
16	5/8"	3.1	260	9	27	32	9
20	3/4"	3.5	340	9	27	40	9
22	7/8"	3.5	400	9	27	44	9
25	1"	4	520	9	27	50	9
30	1" 1/8	4.2	630	9	27	60	9
32	1" 1/4	4.2	660	9	27	64	9
35	1" 3/8	4.3	750	9	27	70	9
38	1" 1/2	4.5	800	9	27	76	9
40	1" 5/8	4.8	950	9	27	80	9
42	1" 3/4	4.8	1040	9	27	84	9
45	1" 3/4	4.9	1150	9	27	90	9
51	2"	5.4	1300	7	21	100	9
55	2" 1/8	5.4	1460	6	18	110	9
60	2" 1/2	6	1750	6	18	120	9
63	2" 1/2	6.1	1800	6	18	125	9
70	2" 3/4	6.1	2100	5	15	140	9
76	3"	6.5	2250	5	15	150	9
80	3" 1/8	6.5	2500	4	12	160	9
90	3" 1/2	7	2900	4	12	180	9
102	4"	7	3650	3	9	200	9
110	4" 5/16	7.2	3950	3	9	220	9
120	4" 3/4	8	4300	3	9	240	9
127	5"	8	4600	3	9	250	9
152	6"	10	6600	2.5	7	300	9



Metalpress® Milk

Thermoplastic rubber hose (TPV) with double reinforcement, textile and metal spiral, for suction and transfer of fatty food liquids, especially suitable for dairy products. Sterilisable at 90 °C.



Features

- Food grade according to FDA 21 CFR section 177.2600 as well as ANSI/NSF Standard 51: "Food Equipment".
- Materials" and NSF/ANSI Standard 61: "Drinking Water System Components" (see declaration of conformity).
- Very flexible, even at low temperatures.
- Pipe with very good resistance to chemical products, associated with the TPV resistance table.
- The recommended operating temperature is between -30 °C and 90 °C.

Applications

- Filling of drinking water, dairy food liquids and those in accordance with the declaration of conformity.

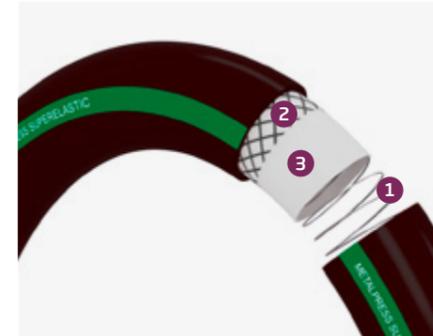
Ø INT mm	Ø INT In.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H2O
20	3/4"	28	543	16	48	55	9
25	1"	35	680	16	48	70	9
32	1" 1/4	42	800	16	48	80	9
35	1" 3/8	47	1100	14	42	115	9
38	1" 1/2	51	1200	14	42	125	9
40	1" 5/8	53	1220	14	42	130	9
45	1" 3/4	58	1400	12	36	140	9
51	2"	64	1600	12	36	150	9
60	2" 1/4	74	2000	12	36	180	9
63	2" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
80	3" 1/8	97	3150	12	36	230	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

1. Inner reinforcement of rigid metal spiral in galvanised steel. 2. Polyester thread reinforcement for greater resistance to working pressures. 3. Flexible food grade thermoplastic rubber material.

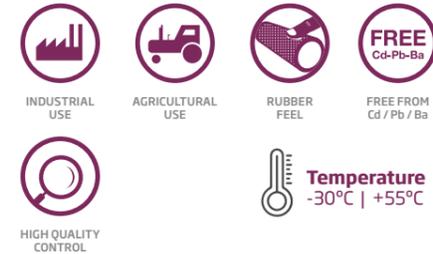


Metalpress® Superelastic

NBR/PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of liquids in the agricultural sector and industry.



1. Internal reinforcement with galvanised steel, rigid, metal spiral. 2. Reinforced with polyester thread to grant it greater resistance to high working pressures. 3. White NBR/PVC-P material. 4. Black NBR/PVC-P material.



Features

- For agricultural and industrial use.
- Very flexible, even at low temperatures.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -30°C and 55°C.

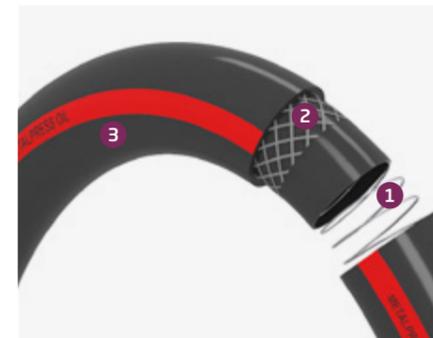
Applications

- Pumping and suction of slurries. Tanker trucks.
- Transfer of chemical products with a low aggressiveness index.
- Industrial irrigation.
- Draining cesspits.
- Given its highly flexible nature, it is recommended for use in movable tanks.

Ø INT mm	Ø INT In.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H2O
20	3/4"	28	543	16	48	55	9
25	1"	35	680	16	48	70	9
32	1" 1/4	42	800	16	48	80	9
35	1" 3/8	47	1100	14	42	115	9
38	1" 1/2	51	1200	14	42	125	9
40	1" 5/8	53	1220	14	42	130	9
45	1" 3/4	58	1400	12	36	140	9
51	2"	64	1600	12	36	150	9
60	2" 1/4	74	2000	12	36	180	9
63	2" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
80	3" 1/8	97	3150	12	36	230	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9

Metalpress® Oil

Phthalate-free PVC hose with double reinforcement - textile and metal spiral - for suction and transfer of industrial oils and fuels.



1. Internal reinforcement with galvanised steel spiral. 2. Reinforced with polyester thread to grant it greater resistance to high working pressures. 3. Special formulation of flexible PVC that is highly resistant to industrial oils and hydrocarbons.



Features

- For industrial use.
- Special formulation for industrial oils and hydrocarbons (diesel, gasoline, etc.).
- Good resistance to pressure and vacuum when suctioning.
- The hose wall is smooth, both inside and outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -20°C and 70°C.

Applications

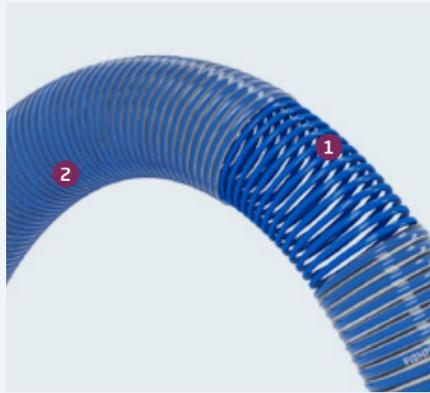
- Suction and transfer of hydrocarbons and industrial oils.

INT Ø mm	INT Ø in.	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
20	3/4"	28	475	16	48	60	9
25	1"	35	680	16	48	70	9
32	1" 1/4	42	800	16	48	80	9
35	1" 3/8	47	1100	14	42	115	9
38	1" 1/2	51	1200	14	42	125	9
40	1" 5/8	53	1220	14	42	130	9
45	1" 3/4	58	1400	12	36	140	9
51	2"	64	1600	12	36	150	9
60	2" 1/4	74	2000	12	36	180	9
63	1" 1/2	77	2100	12	36	190	9
76	3"	92	2900	12	36	210	9
90	3" 1/2	107	3500	10	30	250	9
102	4"	119	4000	10	30	300	9



Fishflex®

Hose for pumping and transferring fish through sea water. Highly resistant to salt, with a rigid, anti-shock spiral to protect the fish being piped.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Made of flexible, transparent PVC designed especially to withstand sea water.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -25°C and 60°C.

Applications

- Transfer of fish via sea water pumping.
- Transfer of liquid food products that require food simulants A, D2/3 in OM3 conditions in accordance with Regulation EU 10/2011.
- Piping salt water.

INT Ø mm	INT Ø in	WALL THICKNESS mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	VACUUM m H ₂ O
63	1" 1/2	4.5	1029	6	18	315	9
102	4"	8.5	2900	4	12	500	9
152	6"	11.5	5600	3	9	750	9
203	8"	13.5	9000	2	6	1015	9
254	10"	16	13600	1.5	4.5	1250	9
305	12"	17	19000	1	3	1500	9

1. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.
2. Flexible, transparent PVC material for food use.

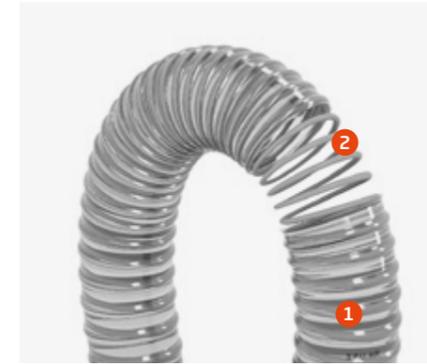


EC 1935/2004
EU 10/2011

Temperature
-25°C | +60°C

Espiro® PU ET

Transparent, polyether-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 80°C.
- Option of manufacture with polyester base subject to request.

Applications

- Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

1. Polyurethane: 5 times more resistant than PVC, with anti-abrasion properties.
2. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.



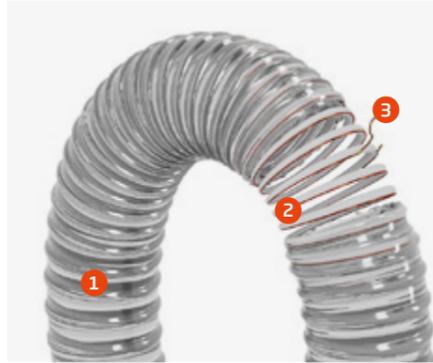
CE 1935/2004
EU 10/2011

Temperature
-20°C | +80°C

Ø INT mm	Ø INT pulg.	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
25	1"	0,5	154	25	3
32	1" 1/4	0,5	180	32	3
35	1" 3/8	0,5	195	35	3
38	1" 1/2	0,5	225	38	3
40	1" 5/8	0,5	250	40	3
45	1" 3/4	0,5	260	45	3
51	2"	0,5	300	50	3
60	2" 1/4	0,5	425	60	3
63	2" 1/2	0,5	445	60	3
70	2" 3/4	0,5	500	70	3
76	3"	0,5	550	75	3
80	3" 1/8	0,5	590	80	3
90	3" 1/2	0,6	670	90	3
102	4"	0,6	870	100	3
110	4" 5/16	0,6	950	110	3
120	4" 3/4	0,6	1000	120	3
127	5"	0,6	1100	125	3
130	5" 1/4	0,6	1200	130	3
140	5" 1/2	0,7	1300	140	3
152	6"	0,7	1500	150	3
160	6" 1/4	0,8	1700	160	3
170	6" 3/4	0,8	1900	170	3
180	7"	0,8	1950	180	3
203	8"	1	2200	200	3
254	10"	1	2600	250	3
305	12"	1	3425	300	3

Espiro® PU Antiestático

Transparent, polyether-based polyurethane pumping and suction hose, reinforced with a rigid, anti-shock PVC spiral, for abrasive products. Equipped with a copper wire that grants it an antistatic feature, making it perfect for facilities governed by ATEX regulations.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Great flexibility (bending radius = internal diameter). Extremely light.
- Highly resistant to abrasion, humidity and microorganisms.
- The hose wall is smooth on the inside and corrugated on the outside.
- Good chemical resistance associated with PU's resistance chart.
- Recommended temperature for use between -20°C and 80°C.
- Option of manufacture with polyester base subject to request.

Applications

- Pumping and suction of gases, smoke and abrasive products, such as sawdust, pellets, rebar and dust, in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.
- Suction of abrasive material in industrial facilities with special need for resistance to abrasion, constant mechanical movement, and the application of force or repetitive impacts.

1. Polyurethane: 5 times more resistant than PVC, with anti-abrasion properties. 2. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

INDUSTRIAL USE

FOOD USE

AGRICULTURAL USE

SUCTION

MADE FROM POLYURETHANE

PVC SPIRAL

TEMPERATURE -20°C TO 80°C

FREE FROM Cd / Pb / Ba

SMOOTH INTERIOR

ANTI-ABRASION

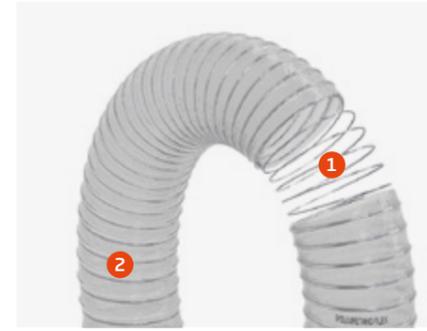
CE 1935/2004 UE 10/2011

Temperature -20°C | +80°C

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	0.5	180	32	3
35	1" 3/8	0.5	195	35	3
38	1" 1/2	0.5	225	38	3
40	1" 5/8	0.5	250	40	3
45	1" 3/4	0.5	260	45	3
51	2"	0.5	305	50	3
60	2" 1/4	0.5	425	60	3
63	2" 1/2	0.5	445	60	3
70	2" 3/4	0.5	500	70	3
75	3"	0.5	550	75	3
80	3" 1/8	0.5	590	80	3
90	3" 1/2	0.6	670	90	3
102	4"	0.6	870	100	3
110	4" 5/16	0.6	950	110	3
120	4" 3/4	0.6	1000	120	3
125	5"	0.6	1100	125	3
130	5" 1/4	0.6	1200	130	3
140	5" 1/2	0.7	1300	140	3
150	6"	0.7	1500	150	3
160	6" 1/4	0.8	1700	160	3
170	6" 3/4	0.8	1900	170	3
180	7"	0.8	1950	180	3
200	8"	1.0	2200	200	3
250	10"	1.0	2600	250	3
300	12"	1.0	3425	300	3

Poliuretano Flex 0.4 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.



1. Galvanised steel spiral. 2. Transparent, polyether-based polyurethane.

SUCTION

MADE FROM POLYURETHANE

ANTI-ABRASION

ANTISTATIC

INDUSTRIAL USE

FOOD USE

Temperature -30°C | +80°C

CE 1935/2004 UE 10/2011

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity). Highly flexible and resistant to abrasion, humidity and microorganisms. Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -30°C and 80°C. Option of manufacture with polyester base subject to request. The product is compacted when supplied.

Applications

- Suction of abrasive content, gases from oils, smoke, sawdust, vapours, etc. in addition to food products that require food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.4	230	40	5
45	1" 3/4	0.4	250	45	5
51	2"	0.4	280	50	1.5
60	2" 1/32	0.4	340	60	4
63	2" 1/2	0.4	360	63	3
70	3"	0.4	390	70	3
76	3" 1/8	0.4	410	76	2
80	3" 1/2	0.4	440	80	2
90	2"	0.4	490	90	1.5
102	4"	0.4	510	100	1.5
110	4" 5/16	0.4	560	110	1.5
120	4" 3/4	0.4	610	120	1.5
127	5"	0.4	630	125	1.5
130	5" 1/4	0.4	660	130	1.5
140	5" 1/2	0.4	760	140	1.5
152	6"	0.4	790	152	1.0
160	6" 1/4	0.4	880	160	1.0
170	6" 3/4	0.4	915	170	1.0
180	7"	0.4	950	180	1.0
203	8"	0.4	1030	200	1.0
210	8" 1/4	0.4	1100	210	1.0
220	8" 3/4	0.4	1175	220	1.0
225	9"	0.4	1200	225	1.0
254	10"	0.4	1475	254	1.0
305	12"	0.4	1980	305	0.5
356	14"	0.4	2000	350	0.5
406	16"	0.4	2070	400	0.5
450	18"	0.4	2300	450	0.5
500	20"	0.4	2500	500	0.4
550	22"	0.6	2650	550	0.4
600	24"	0.6	3100	600	0.5

Poliuretano Flex M 0.7 ET



1. Polyurethane: 5 times more resistant than PVC, with anti-abrasion properties. 2. Internal, rigid, anti-shock PVC spiral reinforcement that affords it great consistency.

INDUSTRIAL USE

FOOD USE

COPPER-PLATED SPIRAL

SUCTION

MADE FROM POLYURETHANE

ANTI-ABRASION

ANTISTATIC

CE 1935/2004 UE 10/2011

Temperature -30°C | +80°C

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	0.7	265	30	6.0
45	1" 3/4	0.7	295	35	5.5
51	2"	0.7	325	40	5.0
60	2" 1/4	0.7	395	45	4.0
63	2" 1/2	0.7	410	50	4.0
70	2" 3/4	0.7	420	60	3.0
76	3"	0.7	440	60	3.0
80	3" 1/8	0.7	470	65	2.5
90	3" 1/2	0.7	495	75	2.5
102	4"	0.7	515	85	2.5
110	4" 5/16	0.7	685	90	2.5
120	4" 3/4	0.7	720	95	2.5
127	5"	0.7	750	100	2.5
130	5" 1/4	0.7	780	105	2.5
135	5" 1/4	0.7	845	110	2.5
140	5" 1/2	0.7	860	115	2.0
152	6"	0.7	990	120	2.0
160	6" 1/4	0.7	1060	130	2.0
170	6" 3/4	0.7	1200	135	2.0
180	7"	0.7	1150	150	2.0
203	8"	0.7	1300	165	1.5
220	8" 3/4	0.7	1400	170	1.5
225	9"	0.7	1460	190	1.0
254	10"	0.7	1690	230	1.0
305	12"	0.7	2075	240	1.0
320	12" 3/4	0.7	2280	270	0.80
356	14"	0.7	2610	305	0.70
406	16"	0.7	3100	340	0.70
500	20"	0.7	3250	375	0.70
550	22"	0.7	3600	415	0.5
600	24"	0.7	4170	450	0.5

Poliuretano Flex® HD 1.6 ET

Flexible, transparent, polyether-based polyurethane hose and an internal, antistatic, copper-plated steel spiral that is suitable for facilities governed by ATEX regulations for the suction of abrasion products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly resistant to abrasion, humidity and microorganisms.
- Good chemical resistance associated with PU's resistance chart.
- Withstands temperatures between -30°C and 80°C.
- Option of manufacture with polyester base subject to request.
- Product supplied in rolls.

Applications

- Suction of extremely abrasive content (iron, rebar, glass). Suction cleaning machinery in forests, roads, etc.
- Suction of highly abrasive food material that requires the food simulant E in OM2 conditions in accordance with Regulation EU 10/2011.

1. Copper-plated steel spiral. 2. Transparent, polyether-based polyurethane.



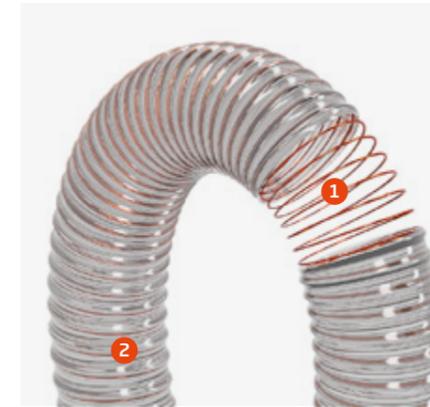
CE 1935/2004
UE 10/2011

Temperature
-30°C | +80°C

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
32	1" 1/4	1,6	465	40	8,0
35	1" 1/4	1,6	500	45	8,0
38	1" 1/2	1,6	535	50	8,0
40	1" 5/8	1,6	560	55	7,5
45	1" 3/4	1,6	620	60	7,5
51	2"	1,6	695	65	7,5
55	2"	1,6	745	70	7,5
60	2" 1/4	1,6	810	75	7,0
63	2" 1/2	1,6	845	80	7,0
70	2" 3/4	1,6	1005	85	7,0
76	3"	1,6	1090	90	7,0
80	3" 1/8	1,6	1140	95	6,5
90	3" 1/2	1,6	1275	110	6,5
102	4"	1,6	1435	125	6,5
110	4" 5/16	1,6	1545	130	6,0
115	4" 5/16	1,6	1610	140	6,0
120	4" 3/4	1,6	1675	145	6,0
127	5"	1,6	2075	155	5,5
130	5" 1/4	1,6	2120	160	5,5
140	5" 1/2	1,6	2275	170	5,5
152	6"	1,6	2465	180	5,0
160	6" 1/4	1,6	2590	190	5,0
175	6" 3/4	1,6	2705	210	4,5
180	7"	1,6	2780	220	4,5
203	8"	1,6	3125	245	4,0
206	8"	1,6	3170	250	4,0
225	9"	1,6	3500	275	3,5
254	10"	1,6	3890	305	3,0
305	12"	1,6	5680	350	3,0
350	12"	1,6	6500	370	2,5
406	12"	1,6	7525	490	2,0
500	14"	1,6	9240	600	1,5

Poliuretano Flex® Rock 2.5 EST

Tubing made of transparent polyurethane on a polyester base with spiral internal copper plated steel.



Features

- Non-toxic and for food use according to European regulations CE 1935/2004 and EU 10/2011.
- Reinforced inside by a metallic copper wire spiral, which gives it great consistency as well as flexibility, giving it great mechanical possibilities.
- Antistatic. Good chemical resistance, associated with the usual properties of PU, to microorganisms and humidity.
- Optimum resistance to abrasion (Anti-abrasive), to atmospheric agents and a wide range of chemicals.
- Withstands temperatures between -30°C and +80°C.

Applications

- Aspirations of extreme abrasive content (iron, rebar, glass). Vacuum cleaning machinery in forests, roads, etc.
- Aspirations of food material with a high abrasive content that require the food simulant E in OM2 conditions according to EU regulation 10/2011.

1. Copper-plated steel spiral. 2. Transparent, polyether-based polyurethane.



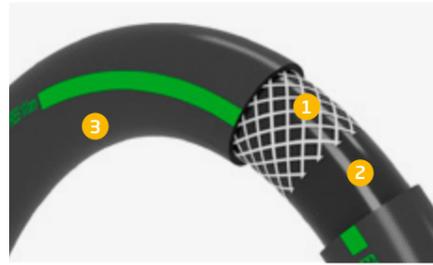
CE 1935/2004
UE 10/2011

Temperature
-30°C | +80°C

INT Ø mm	INT Ø in	FLEXIBLE THICKNESS mm	WEIGHT g/m	BENDING RADIUS mm	VACUUM m H ₂ O
40	1" 5/8	2,5	590	60	9
45	1" 3/4	2,5	650	70	9
51	2"	2,5	715	80	9
60	1" 3/4	2,5	900	90	9
63	2" 1/2	2,5	940	95	9
65	2" 1/2	2,5	965	100	9
70	2" 3/4	2,5	1010	105	9
76	3"	2,5	1065	115	9
80	3" 1/8	2,5	1100	120	8
90	3" 1/2	2,5	1200	135	8
102	4"	2,5	1315	150	8
110	4" 5/16	2,5	1400	165	8
120	4" 3/4	2,5	1635	180	8
127	5"	2,5	1722	190	8
130	5" 1/2	2,5	1760	195	7
140	5" 1/2	2,5	1880	210	7
152	6"	2,5	2025	230	7
160	6" 1/4	2,5	2125	240	7
170	7"	2,5	2250	255	7
180	7"	2,5	2370	270	6
203	8"	2,5	3025	305	6
220	9"	2,5	3170	330	6
230	9"	2,5	3300	345	6
254	10"	2,5	3625	380	6
305	10"	2,5	4300	450	4
320	12"	2,5	4500	480	4
356	14"	2,5	4760	535	4
406	16"	2,5	5400	610	3
450	18"	2,5	5970	675	3

Espiopres® 10 bar

Multi-layer, plasticised PVC hose, reinforced with a polyester mesh. Specifically designed for medium-pressure compressed air equipment.



1. Middle layer reinforced with polyester thread mesh to provide great resistance to breakage. 2. Internal layer in black PVC. 3. Outer layer in black PVC.



Features

- For industrial use and for the construction industry.
- Great flexibility and low permeability. Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.

Applications

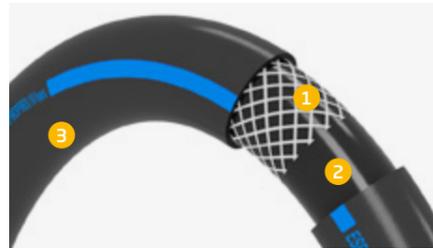
- Compressed air.



INT Ø mm	INT Ø in.	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6	1/4"	12	105	10	30
8	5/16"	14	130	10	30
10	3/8"	16	160	10	30
12	1/2"	18	180	10	30
16	5/8"	23	270	10	30
19	3/4"	27	365	10	30
25	1"	34	515	10	30

Espiopres® 20 bar

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh. Specifically designed for medium-pressure compressed air equipment.



1. Middle layer reinforced with polyester thread mesh to provide great resistance to breakage. 2. Internal layer in black PVC. 3. Outer layer in black PVC.



Features

- For industrial use and for the construction industry.
- Great flexibility and low permeability. Anti-knotting.
- Highly resistant to extension.
- Withstands temperatures between -10°C and 60°C.

Applications

- Compressed air, hydraulic hammers.

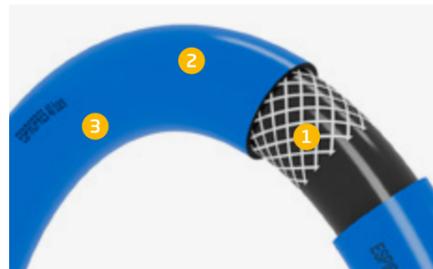


INT Ø mm	INT Ø in.	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6	1/4"	14	165	20	60
8	5/16"	16	200	20	60
10	3/8"	18	235	20	60
12	1/2"	21	310	20	60
16	5/8"	26	435	20	60
19	5/8"	29	490	20	60
25	1"	36	670	20	60

Customisation available on request.

Espiopres® 40 bar

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh. Specifically designed for medium-pressure compressed air equipment.



1. Middle layer reinforced with polyester thread mesh to provide great resistance to breakage. 2. Internal layer in black PVC. 3. Outer layer in black PVC.



Features

- For agricultural and industrial use. Great flexibility and low permeability.
- Highly resistant to extension. Anti-knotting.
- Withstands temperatures between -10°C and 60°C.

Applications

- Pressure spraying of insecticides and antiparasitic treatments in agricultural uses.
- Pressurised liquid transport.
- Compressors.

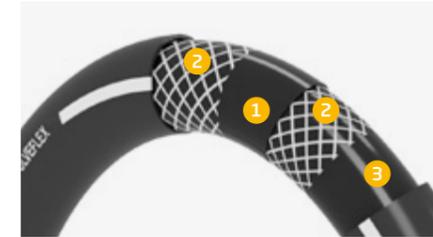


Ø INT mm	Ø INT in.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS mm	AVAILABLE IN COLOUR
8	5/16"	15	160	40	120	25	Blue
10	3/8"	16	150	40	120	30	Blue
12	1/2"	19	254	40	120	35	Blue
16	5/8"	24	315	40	120	60	Blue
19	5/8"	27	360	40	120	75	Blue
25	1"	35	585	40	120	110	Blue

Customisation available on request.

Pulveflex® 80 bar

PVC hose with double polyester fibre reinforcement manufactured under patented **SINE TORSION** technology that avoids kinking of the hose when used at high pressures. Specially indicated for agricultural spraying at high pressures. Installation in sanitary agricultural machinery: atomisers, foggers and agricultural sprayers.



1. Intermediate layer and inner layer PVC in black colour resistant to high pressures. 2. Double mesh reinforcement. 3. Outer layer in black PVC.



Features

- For industrial use and for the construction industry.
- SINE TORSION TECHNOLOGY SYSTEM: patented technology that prevents the usual kinks from happening when twisted on itself in use at maximum pressure. Great flexibility and low permeability.
- Equipped with a double layer of polyester mesh. Anti-knotting. Highly resistant to extension. Withstands temperatures between -10°C and 60°C.

Applications

- Installation in agricultural sanitary machinery: agricultural atomisers, nebulisers and sprayers.
- Piping of liquids at high pressures. Compressors.



Ø INT mm	Ø INT in.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
8	5/16"	15	170	80	240
10	3/8"	17	190	80	240
12	1/2"	20	270	80	240
16	5/8"	26	445	80	240
19	3/4"	30	535	80	240

Espiopres® PU

Pressure hose made of polyurethane (PU) with textile reinforcement for industrial robotics, silicone free.



1. Intermediate layer and inner layer PVC in black colour resistant to high pressures. 2. Double mesh reinforcement. 3. Outer layer in black PVC.



Features

- PU tube reinforced with polyester thread.
- Very light and flexible even at low temperatures.
- High resistance to abrasion, hydrolysis and microorganisms.

Applications

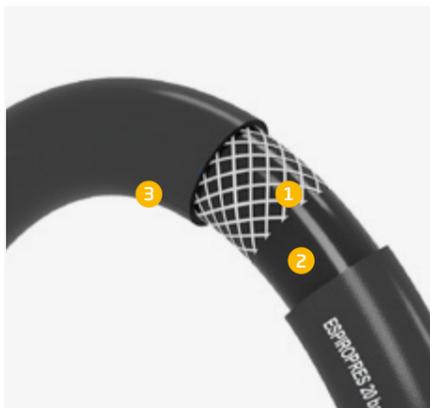
- Compressed air, pneumatics, airbrushes, cooling circuits, paint gun, sandblasting and abrasive material suction.



Ø INT mm	Ø INT in.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	PRESSURE BURST PRESSURE bar	BENDING RADIUS mm
6	1/4"	10	65	20	60	20
8	5/16"	12	85	20	60	22
9.7	3/8"	13.7	90	20	60	35
10	3/8"	15	130	20	60	38
10	3/8"	19	140	20	60	50
13	1/2"	19	195	20	60	55
16	5/8"	23	250	20	60	60

Espiopres® rubber 20 bar

20 bar pressure hose made of nitrile rubber and PVC with special resistance to industrial oils



Features

- Industrial use.
- Great flexibility and high resistance to breakage due to elongation.
- Specially designed for the transfer of gasoline and its derivatives.
- Good chemical resistance, associated with the PVC resistance table.
- The recommended temperature for use is between -10 °C and 60 °C.

Applications

- Compressed air, pneumatic hammer, pneumatic drill.

INT Ø mm	INT Ø in	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar
6	11/64"	12	114	20	60
8	13/64"	15	170	20	60
10	1/4"	17	200	20	60
13	9/32"	21	285	20	60
16	5/16"	25	390	20	60
19	19	29	505	20	60
25	19	36	705	20	60

1. Middle layer reinforced with high-quality polyester thread mesh that can withstand high pressures, affording it great resistance. 2. Internal layer of transparent PVC for food use. 3. Outer layer of transparent PVC for food use.



CE 1935/2004
UE 10/2011

Temperature
-10°C | +60°C

Mallatrans®

Multi-layer, transparent, plasticised PVC hose, reinforced by a polyester mesh. Especially designed for the transfer of liquid food products.



Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Highly flexible and easy to handle.
- Good chemical resistance associated with PVC's resistance chart.

Applications

- Transfer of liquid food products that require food simulants A, B, C and D1 in OM2 conditions in accordance with Regulation EU 10/2011, such as wine, must, beer, vinegar and alcoholic liquids up to 20%.
- Food product processing industry.
- Compressed air industrial facilities.

Ø INT mm	Ø INT pulg.	Ø EXT mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	BENDING RADIUS bar	AVAILABLE IN COLOUR
6	1/4"	11	83	15	45	15	Red
8	5/16"	11	55	15	45	20	Blue
10	3/8"	14	93	15	45	30	Yellow
12	1/2"	15	80	15	45	35	Black
15	5/8"	22	260	15	45	45	White
19	5/8"	25	260	10	30	75	
20	3/4"	26	275	10	30	80	
25	1"	31	330	10	30	110	
30	1" 1/4"	40	680	7	21	160	
40	1" 5/8"	52	1075	6	18	250	
51	2"	60	1075	5	15	290	

1. Middle layer reinforced with high-quality polyester thread mesh that can withstand high pressures, affording it great resistance. 2. Internal layer of transparent PVC for food use. 3. Outer layer of transparent PVC for food use.

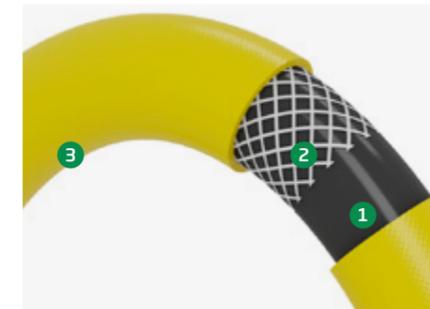


CE 1935/2004
UE 10/2011

Temperature
-10°C | +60°C

Espiroaspersión®

Multi-layer, plasticised PVC hose, reinforced by a polyester mesh. Specifically for agricultural irrigation.



Features

- For agricultural use and construction.
- Garden hose reinforced with a polyester mesh to resist pressure from the water system.
- Chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Irrigation and sprinkling in general, gardening, horticulture and floriculture.

INT Ø mm	INT Ø in	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ROLL LENGTH m
12.5	1/2"	125	8	24	25-50
15	5/8"	135	8	24	25-25-50
19	3/4"	200	8	24	25-36-50
25	1"	330	7	21	25-50
30	1" 1/8"	550	7	21	25-50

1. Internal layer in flexible black PVC. 2. Middle layer: polyester mesh. 3. Outer layer in flexible yellow PVC.



20/25/50 m roll

Temperature
-10°C | +60°C

Espirojardín®

Multi-layer, flexible PVC hose, reinforced with a polyester mesh. Specifically designed for domestic irrigation.



Features

- For domestic use. Very light and flexible, with a smooth surface.
- Garden hose reinforced with a polyester mesh to resist pressure from the water system.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Domestic irrigation. Gardening, horticulture, floriculture and sport boats.

INT Ø mm	INT Ø in	EXT Ø mm	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ROLL LENGTH m
12.5	1/2"	17	120	10	30	15-20-25-50
15	5/8"	19	150	8	24	15-20-25-50
19	3/4"	24.5	250	8	24	25-50
25	1"	32	420	6	18	25-50
30	1" 1/8"	38	580	6	18	25-50

1. Internal layer in black PVC. 2. Middle layer: reinforced by polyester thread mesh. 3. Outer layer in transparent green PVC.



20/25/50 m roll

Temperature
-10°C | +60°C

Tricoespir®

Multi-layer, plasticised PVC hose, reinforced by a knitted polyester mesh. Designed especially for gardening.



Features

- For domestic use. Very light and flexible, with a smooth surface.
- Garden hose reinforced with a polyester mesh to resist pressure from the water system.
- Good chemical resistance associated with PVC's resistance chart.
- Recommended temperature for use between -10°C and 60°C.

Applications

- Domestic irrigation. Gardening, horticulture, floriculture and sport boats.

INT Ø mm	INT Ø in	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ROLL LENGTH m
12.5	1/2"	155	10	30	25-50
15	5/8"	175	8	24	25-50
19	3/4"	250	8	24	25-50
25	1"	420	6	18	25-50

1. Black internal layer. 2. White middle layer. 3. Knitted mesh. 4. Yellow cover.



Temperature
-10°C | +60°C

10-year guarantee.

Tricoespir®

Superior-quality, knitted hose designed especially for gardening. For food use, with UV and anti-algae protection. Comprised of five layers and equipped with a special knitted system - **ESPIROFLEX SINE TORSION TECHNOLOGY** - that makes it completely resistant to knots and folding.



10-year guarantee.

1. Internal layer in white for food use. 2. Knitted polyester reinforcement: state-of-the-art Espiroflex No Torsion Technology. 3. Blue reinforcement layer. 4. Outer layer in easy-to-use, transparent, blue PVC. 5. Anti-torsion layer in white.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- Good chemical resistance associated with PVC's resistance chart.
- Reinforced internally by **ESPIROFLEX NO TORSION TECHNOLOGY**, thanks to a knitted polyester mesh that prevents torsion and folding when used.
- Withstands temperatures between -10°C and 60°C.

Applications

- Intensive gardening, horticulture and floriculture irrigation.
- Domestic facilities and water transport in general.
- Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ROLL LENGTH m
12.5	1/2"	120	10	30	25-50
15	5/8"	175	10	30	25-50
19	3/4"	250	10	30	25-50
25	1"	420	8	24	25-50



Tricogold®

Superior-quality, knitted hose designed especially for gardening. For food use, with UV and anti-algae protection. Comprised of six layers and equipped with a special knitted system - **ESPIROFLEX SINE TORSION TECHNOLOGY** - that makes it completely resistant to knots and folding.



10-year guarantee.

1. Internal layer in transparent blue for food use. 2. White reinforcement layer. 3. Knitted polyester reinforcement: state-of-the-art Espiroflex No Torsion Technology. 4. White reinforcement layer. 5. Outer layer in easy-to-use, transparent, yellow PVC. 6. Anti-torsion layer in blue.

Features

- For food use in accordance with European regulations EC 1935/2004 and EU 10/2011 (see declaration of conformity).
- UV protection.
- Good chemical resistance associated with PVC's resistance chart. Withstands temperatures between -10°C and 60°C.
- Reinforced internally by **ESPIROFLEX NO TORSION TECHNOLOGY**, thanks to a knitted polyester mesh that prevents torsion and folding when used.

Applications

- Intensive gardening, horticulture and floriculture irrigation. Domestic facilities and water transport in general. Transfer of liquid food products that require food simulants A, B and C in OM2 conditions in accordance with Regulation EU 10/2011.

INT Ø mm	INT Ø in	WEIGHT g/m	OPERATING PRESSURE bar	MINIMUM BURST PRESSURE bar	ROLL LENGTH m
12.5	1/2"	145	10	30	25-50
15	5/8"	175	10	30	25-50
19	3/4"	250	10	30	25-50
25	1"	420	8	24	25-50



Recommendations

Providing the best service to our clients is one of the priorities of Espiroflex. Our objective is not only based in delivering a high quality product but also in advising our clients on the use and handling of it to achieve a better experience.



Warnings for use

- ▶ Avoid stresses and mechanical forces that can deform and/or damage the structure.
- ▶ Use fittings and connectors suitable for the diameter and needs
- ▶ Always use at the working pressure indicated in the specifications.
- ▶ Use the specified temperature ranges depending on the material.
- ▶ Observe the radius of curvature (specification).
- ▶ Use the appropriate product based on the required needs.

Storage

- ▶ Store as little time as possible (Stock rotation).
- ▶ Avoid contact with other products not suitable (see list of incompatibilities).
- ▶ Do not store in the sun or at high temperatures.
- ▶ Control the existence of rodents and/or termites.
- ▶ Labeling must be correct.
- ▶ Proper handling.
- ▶ Careful opening of the packaging.
- ▶ Storage on suitable surfaces.
- ▶ Stacking and height according to the size specified in each in the specification of each product.

Mounting

- ▶ It must be properly assembled by professionals.
- ▶ Avoid torsion, tension or vibrations.
- ▶ Avoid overpressure (water hammer).
- ▶ Facilities:
 1. Fixed (check fastening).
 2. Mobile (check the appropriate length)..
 3. If there is an electrical charge, use antistatic tubes.
- ▶ Carry out adequate maintenance and replace when defects such as:
 - fissures
 - abrasions
 - lumps
 - damage of any kind and/or leaks.

Destruction or removal

- ▶ Eliminate appropriately according to the legislation depending on the type of product.

In case of any doubt, consult with the technical team of Espiroflex.

