

Composite hoses Food 500

According to FDA 177.1520; EU-Regulation 10/2011, EC/1935/2004, GMP; DM21/03/73 and Subsequent Amendments.

Test Report Cerisie n. 471-ABC bis / 2013 - Phtalate Free



FOOD 500 is a multi-layer thermoplastic hose designed around several ultrahigh molecular weight polyethylene (UHMW PLT) liners, supported by 316 L stainless steel inner and outer wires and a weather proof and abrasion resistant outer cover made from polyvinyl coated polyester fabric. The outer cover is also available in **ELASTAR**, a special PU coated fabric with extraordinary UV-, ozone-, sunlight- and weathering-resistance, resulting in superior temperature and abrasion characteristics.

Extremely flexible, easy to handle and bend, **FOOD 500** hose complies with the most important international regulations for all applications in direct contact with food. The tube is produced in a high purity and constantly monitored manufacturing processes. During the entire process no oils or lubricants are used to avoid any possible contamination.

Its heavy duty design includes a high density, seamless extruded tubular PLT film, which avoids any possible leakage and guarantees a gas-tight composition. All the different layers are wrapped together and tensioned between internal and external wire spirals.

It is possible to clean **FOOD 500** with lose steam or with various chemicals (diluted caustic soda and nitric) without any problem. All hoses are 100% antistatic and can be used for suction or discharge. Vacuum rating is 0,9 bar according to the EN ISO 7233 method B.

Our **FOOD 500** assemblies are fitted with an extensive range of couplings readily available, including sanitary type fittings, DIN, SMS, RYT or Tri-Clamp, externally swaged with stainless steel ferrules.

For safety and reliability, **FOOD 500** assemblies are tested at 1 ½ times rated working pressure in accordance with EN ISO 1402. The ferrule is permanently embossed with manufacturer's name, nominal bore, the serial number and the test date of the hose assembly. Full test certificate is available on request !

Electrical continuity is achieved by the two wires bonded to the end fittings. This conducts accumulated charge and avoids static flash. The electric resistance of hose assemblies is less than 1 Ω/m, as required by EN ISO 8031. Upon request hoses are manufactured with a special outer antistatic cover acc. to the EU-Directive 94/9/EC "ATEX" !



Phtalate free



Food 500 HD - HEAVY DUTY

Specifically designed as a universal hose for the transfer of a wide variety of edible liquids or food products in general, both under suction or pressure, **FOOD 500** hoses are used in applications like loading/unloading of rail and road tankers, tank storage and in-plant transfer. This type is particularly recommended in the handling of edible oils, including palm, coconut, sunflower, seeds or olive oils. It is widely used as well for chocolate, jam, edible or pure alcohol, isopropyl, ethyl, methyl or alcoholic spirits, wine and liquors.

Code	FOOD 500 XZ	FOOD 500 XX
Applications	liquid food stuff	
Colour	Light blue	
Temperature	-40 +100°C	
Inner wire	st. steel	st. steel
Outer wire	galv. steel	st. steel



Size		Max. W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight kg / m	Maximum Length	
mm	Inch	bar	P.S.I.		mm	Inch		m	Feet
20	3/4"	15	200	5:1	75	3	0,85	40	132
25	1"	15	200	5:1	100	4	0,98	40	132
32	1 ¼"	15	200	5:1	125	5	1,31	40	132
40	1 ½"	15	200	5:1	140	5 ½	1,53	40	132
50	2"	15	200	5:1	180	7	2,21	40	132
65	2 ½"	15	200	5:1	220	8 ½	3,22	40	132
75/80	3"	15	200	5:1	280	11	3,73	40	132
100	4"	15	200	5:1	400	16	5,42	40	132
150	6"	15	200	5:1	575	23	11,72	40	132
200	8"	15	200	5:1	800	32	16,47	40	132
250	10"	15	200	5:1	1000	40	24,36	25	82
300	12"	15	200	5:1	1200	48	33,20	25	82



Burst pressure indicated is at ambient temperature.
Maximum temperature rating can only be maintained when working within limits of working pressure.

We reserve the right to change specification without prior notice !

ABRAFOOD - PU

ABRAFOOD PU has been designed for the transfer of all abrasive foodstuffs, liquids, powders or granulates. Thanks to the high thickness of its FOOD GRADE POLYURETHANE layers and the heavy duty construction, it is successfully used for the transfer of sugar, cereals, flours and all abrasive alimentary products in general. In order to avoid any possible leak and guarantee a gas-tight assembly **ABRAFOOD PU** design includes a seamless tubular extruded HD-PLT-film. The different layers are wrapped together and tensioned between internal and external wire spirals, which results in a 100% antistatic construction.

Code	ABRAFOOD XZ	ABRAFOOD XX
Applications	Powder and granule food stuff	
Colour	Light blue	
Temperature	-40 +100°C	
Inner wire	st. steel	st. steel
Outer wire	galv. steel	st. steel



Size		Max. W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight kg / m	Maximum Length	
mm	Inch	bar	P.S.I.		mm	Inch		m	Feet
20	3/4"	15	200	5:1	75	3	0,93	40	132
25	1"	15	200	5:1	100	4	1,20	40	132
32	1 ¼"	15	200	5:1	125	5	1,51	40	132
40	1 ½"	15	200	5:1	140	5 ½	1,77	40	132
50	2"	15	200	5:1	180	7	2,51	40	132
65	2 ½"	15	200	5:1	220	8 ½	3,51	40	132
75/80	3"	15	200	5:1	280	11	4,14	40	132
100	4"	15	200	5:1	400	16	5,99	40	132
150	6"	15	200	5:1	575	23	12,97	40	132
200	8"	15	200	5:1	800	32	17,95	40	132
250	10"	15	200	5:1	1000	40	25,88	25	82
300	12"	15	200	5:1	1200	48	35,50	25	82



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FOODFLON

FOODFLON is engineered and designed for all those applications which require food compatibility combined with chemical resistance, PTFE inertness and increased temperatures involved. **FOODFLON** hose as a first layer made from the new patented NANOTEC® PTFE film, providing an incredible 360° tear strength, superb durability and operating temperatures of up to 316°C.

Hose assemblies can be easily cleaned with any kind of chemical product and with pressurized steam.

Code	FOODFLON XZ	FOODFLON XX
Applications	liquid food stuff	
Colour	Light blue	
Temperature	-40 +100°C	
Inner wire	st. steel	st. steel
Outer wire	galv. steel	st. steel



Size		Max. W.P.		Safety Factor	Bend Radius EN ISO 1746		Weight kg / m	Maximum Length	
mm	Inch	bar	P.S.I.		mm	Inch		m	Feet
20	3/4"	15	200	5:1	75	3	0,89	40	132
25	1"	15	200	5:1	100	4	1,12	40	132
32	1 ¼"	15	200	5:1	125	5	1,45	40	132
40	1 ½"	15	200	5:1	140	5 ½	1,69	40	132
50	2"	15	200	5:1	180	7	2,40	40	132
65	2 ½"	15	200	5:1	220	8 ½	3,36	40	132
75/80	3"	15	200	5:1	280	11	3,96	40	132
100	4"	15	200	5:1	400	16	5,73	40	132
150	6"	15	200	5:1	575	23	12,41	40	132
200	8"	15	200	5:1	800	32	17,18	40	132
250	10"	15	200	5:1	1000	40	24,77	25	82
300	12"	15	200	5:1	1200	48	33,97	25	82



Burst pressure indicated is at ambient temperature.
Maximum temperature rating can only be maintained when working within limits of working pressure.

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