

## Master-PUR L Food

Article Master No.: 000012

PU Suction & Transport Hose, light duty, food-grade quality acc. to EU 10/2011 and FDA



hydrolysis  
resistant



food  
approved



microbe  
resistant



transparen  
t



flexible



light



moderatel  
y pressure  
resistant

### Product Details

#### Construction / Material

- Type of construction: Profile extruded hose with metal spiral
- Spiral Design: made from stainless steel wire
- Material of the spiral: Stainless steel 1.4310, Spring steel
- Execution of the wall: made of pure material, made of specified material, Wall thickness between the spirals approx. 0.7 mm
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: Material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010, approved for direct food contact of categories A, B, C, D1, D2, E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives

#### Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2., Manufacturing process according to GMP EC 2023/2006
- Chemical Properties: microbe-resistant, odourless and tasteless, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: flexible
- Weight: light

- Pressure Resistance: moderately pressure resistant
- Colour: transparent

### Operating Temperature

- Temperature Range: -40 - 90
- short-term maximum temperature: peaks to 125 °C

### Delivery Information

- Delivery, type of production: Various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock

### Application Areas

- Areas of application: Agriculture, Bulk & Construction, Chemistry, Food & Pharma, Plastics

### Customizing Options

- optional item modification (on request): other lengths, other nominal widths, with customer-specific imprint

## Article Variants

Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000012:32:x	000012	32	40	40	0.35	2.52	0.71	25.00	5, 10
000012:38:x	000012	38	46	46	0.39	2.10	0.66	25.00	5, 10
000012:40:x	000012	40	48	48	0.40	2.10	0.66	25.00	5, 10
000012:45:x	000012	45	53	53	0.44	1.84	0.59	25.00	
000012:51:x	000012	51	58	58	0.45	1.68	0.52	25.00	5, 10
000012:55:x	000012	55	63	63	0.54	1.54	0.44	25.00	
000012:60:x	000012	60	68	68	0.53	1.40	0.44	25.00	5, 10
000012:65:x	000012	65	73	75	0.64	1.26	0.37	25.00	5, 10
000012:70:x	000012	70	78	80	0.68	1.12	0.37	25.00	5, 10
000012:76:x	000012	76	84	85	0.72	1.12	0.29	25.00	5, 10
000012:80:x	000012	80	88	90	0.76	0.98	0.29	25.00	5, 10
000012:90:x	000012	90	99	99	0.88	0.84	0.22	25.00	
000012:102:x	000012	102	110	110	0.95	0.84	0.22	25.00	5, 10
000012:110:x	000012	110	119	119	1.23	0.70	0.22	25.00	
000012:115:x	000012	115	124	124	1.28	0.70	0.22	25.00	
000012:120:x	000012	120	129	130	1.12	0.70	0.22	25.00	
000012:127:x	000012	127	135	135	1.18	0.70	0.22	25.00	5, 10
000012:130:x	000012	130	140	141	1.20	0.56	0.22	25.00	
000012:140:x	000012	140	150	153	1.38	0.56	0.15	25.00	
000012:152:x	000012	152	161	165	1.48	0.56	0.15	25.00	5, 10
000012:160:x	000012	160	170	170	1.74	0.56	0.15	25.00	
000012:175:x	000012	175	185	185	1.85	0.42	0.15	25.00	
000012:180:x	000012	180	190	190	1.90	0.42	0.15	25.00	
000012:203:x	000012	203	214	215	2.30	0.42	0.15	25.00	5, 10
000012:225:x	000012	225	235	235	2.55	0.28	0.07	25.00	

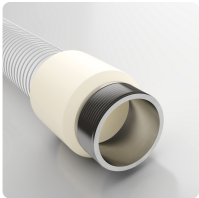
Extended Article Number	Article number	Nominal Size (DN) mm	Outer diameter mm	Bending radius* mm	Weight kg/m	Operating pressure bar	Negative pressure bar	Max. Production length m	Stock Lengths m
000012:250:x	000012	250	261	262	2.90	0.40	0.13	25.00	
000012:254:x	#NV	254	265	266	2.95	0.40	0.13	25.00	
000012:300:x	000012	300	311	312	3.50	0.40	0.13	25.00	
000012:305:x	#NV	305	316	317	3.55	0.40	0.13	25.00	

All data refer to a medium and ambient temperature of +20°C.  
 Specification of the bending radius related to the inside of the hose bend  
 Subject to technical changes and colour deviations

## Delivery Variants

Available in other lengths, other nominal diameters, with customer-specific customer-specific imprint.

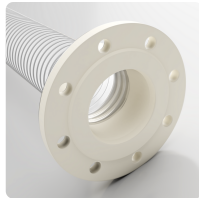
## Possible Connection Elements



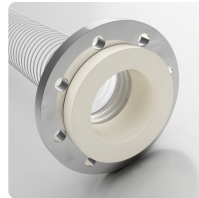
**Combiflex VA Threaded Sockets Food**  
 cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



**Master-Grip Double Wire Clamp, screw-fitting**  
 Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO



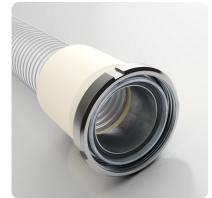
**Combiflex Cast-on PU Fixed Flange Food**  
 fixed flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



**Combiflex PU Swivel Flange Food**  
 fixed PU flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



**Combiflex PU Threaded Sockets Food**  
 cast-on PU threaded connector for attaching fittings to Master-PUR Food hoses, approved for direct food contact EU 10/2011, following DIN ISO 228



**Combiflex Dairy Fitting Cone Sockets**  
 cast-on tube fitting with groove nut to DIN 11851 for Master-PUR Food hoses, food-safe EU 10/2011

### Individual consultation

We offer consultation by phone:  
 +49 209 97077-112

Product requests via  
[masterflex.de/en](http://masterflex.de/en)

### Address Headquarters

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