

## Master-PUR L Food A

Article Master No.: 000014

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



antistatic



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, addition of a non-migrating permanent antistatic agent, wall thickness between the spirals approx. 0.7 mm
- Material of the wall: Polyether Polyurethane
- Specifications of the wall: surface resistance  $R_0 < 10^9$  Ohm, measured according to DIN EN ISO 8031, material complies with food regulations FDA 21 CFR § 177.2600 and 21 CFR § 177.1680, approved for direct food contact category 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: odourless and tasteless, microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good ozone resistance, plasticiser-free, hydrolysis resistant
- Flexibility: flexible

- **Physical Properties:** permanently antistatic
- **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:** Bulk & Construction, Chemistry, Food & Pharma, Plastics

### Customizing Options

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

## 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	Length (standard lengths available for order) m
000014:32:x	000014	32	40	40	0.35	2.52	0.71	25.00	/	5, 10, 15, 20, 25
000014:38:x	000014	38	46	46	0.39	2.10	0.66	25.00	/	5, 10, 15, 20, 25
000014:40:x	000014	40	48	48	0.40	2.10	0.66	25.00	5, 10	5, 10, 15, 20, 25
000014:45:x	000014	45	53	53	0.44	1.84	0.59	25.00	/	5, 10, 15, 20, 25
000014:51:x	000014	51	58	58	0.45	1.68	0.52	25.00	10	5, 10, 15, 20, 25
000014:55:x	000014	55	63	63	0.54	1.54	0.44	25.00	/	5, 10, 15, 20, 25
000014:60:x	000014	60	68	68	0.53	1.40	0.44	25.00	5, 10	5, 10, 15, 20, 25
000014:65:x	000014	65	73	75	0.64	1.26	0.37	25.00	5, 10	5, 10, 15, 20, 25
000014:70:x	000014	70	78	80	0.68	1.12	0.37	25.00	/	5, 10, 15, 20, 25
000014:76:x	000014	76	84	85	0.72	1.12	0.29	25.00	10	5, 10, 15, 20, 25
000014:80:x	000014	80	88	90	0.76	0.98	0.29	25.00	5, 10	5, 10, 15, 20, 25
000014:90:x	000014	90	99	99	0.88	0.84	0.22	25.00	/	5, 10, 15, 20, 25
000014:102:x	000014	102	110	110	0.95	0.84	0.22	25.00	10	5, 10, 15, 20, 25
000014:110:x	000014	110	119	119	1.23	0.70	0.22	25.00	/	5, 10, 15, 20, 25
000014:115:x	000014	115	124	124	1.28	0.70	0.22	25.00	/	5, 10, 15, 20, 25
000014:120:x	000014	120	129	130	1.12	0.70	0.22	25.00	/	5, 10, 15, 20, 25
000014:127:x	000014	127	135	135	1.18	0.70	0.22	25.00	/	5, 10, 15, 20, 25
000014:130:x	000014	130	140	141	1.23	0.56	0.22	25.00	/	5, 10, 15, 20, 25
000014:152:x	000014	152	161	165	1.60	0.56	0.15	25.00	/	5, 10, 15, 20, 25
000014:160:x	000014	160	170	170	1.74	0.56	0.15	25.00	/	5, 10, 15, 20, 25
000014:180:x	000014	180	190	190	1.90	0.42	0.15	25.00	/	5, 10, 15, 20, 25
000014:203:x	000014	203	214	215	2.30	0.42	0.15	25.00	/	5, 10, 15, 20, 25

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	Length (standard lengths available for order) m
000014:250:x	000014	250	261	262	2.90	0.40	0.13	25.00	/	5, 10, 15, 20, 25

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

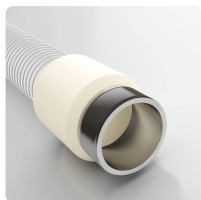
## Delivery Variants

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

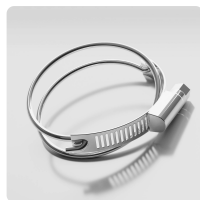
## Disposal instructions

After use, the product must be disposed of in accordance with the legal regulations applicable in the user's region (in Germany in accordance with the applicable Waste Catalogue Ordinance (AVV)).

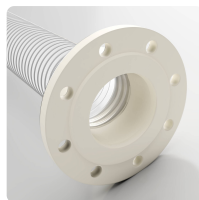
## Possible Connection Elements



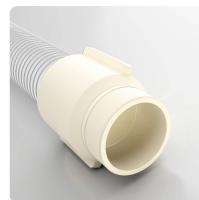
**Combiflex VA Threaded Sockets Food**  
cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



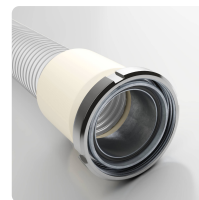
**Master-Grip Double Wire Clamp, screw-fitting**  
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO



**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 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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