

Master-PUR H Food A

Article Master No.: 000068

PU Suciton & Transport Hose, medium duty, very flexible, food-grade quality acc. to EU 10/2011 and FDA, permanently antistatic



antistatic



hydrolysis resistant



food approved



microbe resistant



transparent



flexible



medium heavy



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. 1.4 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

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, good UV resistance, halogen-free, good resistance to chemicals, good ozone resistance, hydrolysis resistant, plasticiser-free
- Flexibility: flexible
- Physical Properties: permanently antistatic

- Weight: medium heavy
- Pressure Resistance: pressure resistant
- Colour: transparent
- Other: largely smooth inside

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 colours, 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
000068:20:x	000068	20	28	45	0.23	4.30	0.92	25.00	/
000068:26:x	000068	26	33	50	0.30	4.16	0.92	25.00	5, 10
000068:30:x	000068	30	39	56	0.37	3.51	0.92	25.00	/
000068:32:x	000068	32	41	60	0.39	3.25	0.92	25.00	5, 10
000068:38:x	000068	38	47	70	0.46	3.12	0.82	25.00	5, 10
000068:40:x	000068	40	49	70	0.49	3.00	0.82	25.00	5, 10
000068:45:x	000068	45	55	80	0.55	2.95	0.81	25.00	/
000068:50:x	000068	50	60	86	0.68	2.90	0.80	25.00	/
000068:51:x	000068	51	61	87	0.71	2.90	0.79	25.00	5, 10
000068:55:x	000068	55	65	95	0.77	2.75	0.76	25.00	/
000068:60:x	000068	60	70	105	0.84	2.55	0.74	25.00	5, 10
000068:65:x	000068	65	75	115	0.91	2.40	0.66	25.00	5, 10
000068:70:x	000068	70	80	120	0.97	2.25	0.66	25.00	/
000068:76:x	000068	76	87	125	1.06	2.00	0.59	25.00	5, 10
000068:80:x	000068	80	91	135	1.11	2.00	0.59	25.00	5, 10
000068:90:x	000068	90	101	149	1.25	1.65	0.52	25.00	/
000068:100:x	000068	100	110	163	1.44	1.50	0.45	25.00	/
000068:102:x	000068	102	112	165	1.48	1.50	0.44	25.00	5, 10
000068:115:x	000068	115	126	186	1.68	1.35	0.31	25.00	/
000068:120:x	000068	120	131	195	1.75	1.30	0.31	25.00	/
000068:127:x	000068	127	138	205	1.91	1.30	0.31	25.00	/
000068:130:x	000068	130	141	209	1.96	1.30	0.31	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
000068:150:x	000068	150	161	243	2.26	1.05	0.25	25.00	/
000068:152:x	000068	152	163	245	2.29	1.05	0.25	25.00	/
000068:160:x	000068	160	171	255	2.51	0.90	0.25	25.00	/
000068:170:x	000068	170	181	255	2.67	0.90	0.18	25.00	/
000068:175:x	000068	175	186	255	2.74	0.90	0.18	25.00	/
000068:180:x	000068	180	191	285	2.82	0.75	0.18	25.00	/
000068:203:x	000068	203	215	325	3.50	0.75	0.18	25.00	/
000068:250:x	000068	250	362	372	4.30	0.73	0.18	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

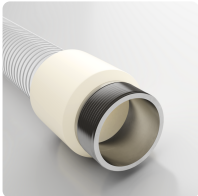
Delivery Variants

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

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)).

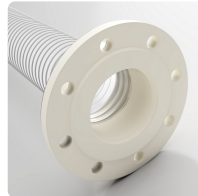
Possible Connection Elements



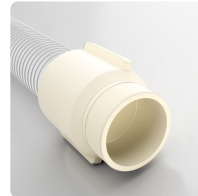
Combiflex VA Threaded Sockets Food
cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



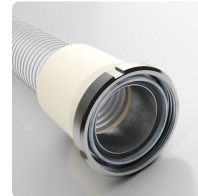
Master-Grip Double Wire Clamp, screw-fitting
Special clamp for fastening light and medium-weight, right-handed spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PUR Food, Master-PVC and Master-SANTO



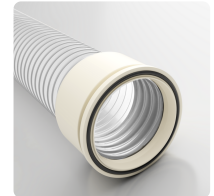
Combiflex Cast-on PU Fixed Flange Food
fixed flange for all Master-PUR Food hose types, approved for direct food contact EU 10/2011, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673



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



Combiflex PU Cone Flange Food
fixed quick connector system for all Master-PUR Food hose types, following DIN 3016, food-safe EU 10/2011

Individual consultation

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

Product requests via
masterflex.de/en

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

