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: approved for direct food contact category E, according to EU Directive 1935/2004, 10/2011 and its latest amending Directives, 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, 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 to 90 °C
- short-term maximum temperature: peaks to 125 °C

Delivery Information

- Delivery, type of production: various nominal diameters in standard lengths are available ex-production, individual nominal diameters 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	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000068:20:x	20	28	45	0.23	4.30	0.92	25.00	5 / 10 / 15 / 20 / 25
000068:26:x	26	33	50	0.30	4.16	0.92	25.00	5 / 10 / 15 / 20 / 25
000068:30:x	30	39	56	0.37	3.51	0.92	25.00	5 / 10 / 15 / 20 / 25
000068:32:x	32	41	60	0.39	3.25	0.92	25.00	5 / 10 / 15 / 20 / 25
000068:38:x	38	47	70	0.46	3.12	0.82	25.00	5 / 10 / 15 / 20 / 25
000068:40:x	40	49	70	0.49	3.00	0.82	25.00	5 / 10 / 15 / 20 / 25
000068:45:x	45	55	80	0.55	2.95	0.81	25.00	5 / 10 / 15 / 20 / 25
000068:50:x	50	60	86	0.68	2.90	0.80	25.00	5 / 10 / 15 / 20 / 25
000068:51:x	51	61	87	0.71	2.90	0.79	25.00	5 / 10 / 15 / 20 / 25
000068:55:x	55	65	95	0.77	2.75	0.76	25.00	5 / 10 / 15 / 20 / 25
000068:60:x	60	70	105	0.84	2.55	0.74	25.00	5 / 10 / 15 / 20 / 25
000068:65:x	65	75	115	0.91	2.40	0.66	25.00	5 / 10 / 15 / 20 / 25
000068:70:x	70	80	120	0.97	2.25	0.66	25.00	5 / 10 / 15 / 20 / 25
000068:76:x	76	87	125	1.06	2.00	0.59	25.00	5 / 10 / 15 / 20 / 25
000068:80:x	80	91	135	1.11	2.00	0.59	25.00	5 / 10 / 15 / 20 / 25
000068:90:x	90	101	149	1.25	1.65	0.52	25.00	5 / 10 / 15 / 20 / 25
000068:100:x	100	110	163	1.44	1.50	0.45	25.00	5 / 10 / 15 / 20 / 25
000068:102:x	102	112	165	1.48	1.50	0.44	25.00	5 / 10 / 15 / 20 / 25
000068:115:x	115	126	186	1.68	1.35	0.31	25.00	5 / 10 / 15 / 20 / 25
000068:120:x	120	131	195	1.75	1.30	0.31	25.00	5 / 10 / 15 / 20 / 25
000068:127:x	127	138	205	1.91	1.30	0.31	25.00	5 / 10 / 15 / 20 / 25
000068:130:x	130	141	209	1.96	1.30	0.31	25.00	5 / 10 / 15 / 20 / 25

Extended Article Number	Nominal Size (DN) in mm	Outer diameter in mm	Bending radius* in mm	Weight in kg/m	Operating pressure in bar	Negative pressure in bar	Max. Production length in m	Length (standard lengths available for order) in m
000068:150:x	150	161	243	2.26	1.05	0.25	25.00	5 / 10 / 15 / 20 / 25
000068:152:x	152	163	245	2.29	1.05	0.25	25.00	5 / 10 / 15 / 20 / 25
000068:160:x	160	171	255	2.51	0.90	0.25	25.00	5 / 10 / 15 / 20 / 25
000068:170:x	170	181	255	2.67	0.90	0.18	25.00	5 / 10 / 15 / 20 / 25
000068:175:x	175	186	255	2.74	0.90	0.18	25.00	5 / 10 / 15 / 20 / 25
000068:180:x	180	191	285	2.82	0.75	0.18	25.00	5 / 10 / 15 / 20 / 25
000068:203:x	203	215	325	3.50	0.75	0.18	25.00	5 / 10 / 15 / 20 / 25
000068:250:x	250	362	372	4.30	0.73	0.18	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)).

Suitable for the product

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: **+44 161 626 8066**

Product requests via: **https://www.masterflex-hose.co.uk/**

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