



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 | transparent | flexible | light | moderately 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: 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, material complies with food regulations FDA 21 CFR § 177.2600 - 21 CFR § 178.2010, material complies with food regulations FDA 21 CFR § 178.2010

Properties

- Specifications of the product: 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: -40to 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: Agriculture, Bulk & Construction, Chemistry, Food & Pharma

Customizing Options

- optional item modification (on request): 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	Stock Lengths in m	Length (standard lengths available for order) in m
000012:32:x	32	40	40	0.35	2.52	0.71	25.00	5 / 10	15 / 20 / 25
000012:38:x	38	46	46	0.39	2.10	0.66	25.00	5 / 10	15 / 20 / 25
000012:40:x	40	48	48	0.40	2.10	0.66	25.00	5 / 10	15 / 20 / 25
000012:45:x	45	53	53	0.44	1.84	0.59	25.00		5 / 10 / 15 / 20 / 25
000012:51:x	51	58	58	0.45	1.68	0.52	25.00	5 / 10	15 / 20 / 25
000012:55:x	55	63	63	0.54	1.54	0.44	25.00		5 / 10 / 15 / 20 / 25
000012:60:x	60	68	68	0.53	1.40	0.44	25.00	5 / 10	15 / 20 / 25
000012:65:x	65	73	75	0.64	1.26	0.37	25.00	5 / 10	15 / 20 / 25
000012:70:x	70	78	80	0.68	1.12	0.37	25.00	5 / 10	15 / 20 / 25
000012:76:x	76	84	85	0.72	1.12	0.29	25.00	5 / 10	15 / 20 / 25
000012:80:x	80	88	90	0.76	0.98	0.29	25.00	5 / 10	15 / 20 / 25
000012:90:x	90	99	99	0.88	0.84	0.22	25.00		5 / 10 / 15 / 20 / 25
000012:102:x	102	110	110	0.95	0.84	0.22	25.00	5 / 10	15 / 20 / 25
000012:110:x	110	119	119	1.23	0.70	0.22	25.00		5 / 10 / 15 / 20 / 25
000012:115:x	115	124	124	1.28	0.70	0.22	25.00		5 / 10 / 15 / 20 / 25
000012:120:x	120	129	130	1.12	0.70	0.22	25.00		5 / 10 / 15 / 20 / 25
000012:127:x	127	135	135	1.18	0.70	0.22	25.00	5 / 10	15 / 20 / 25
000012:130:x	130	140	141	1.20	0.56	0.22	25.00		5 / 10 / 15 / 20 / 25
000012:140:x	140	150	153	1.38	0.56	0.15	25.00		5 / 10 / 15 / 20 / 25
000012:152:x	152	161	165	1.48	0.56	0.15	25.00	5 / 10	15 / 20 / 25
000012:160:x	160	170	170	1.74	0.56	0.15	25.00		5 / 10 / 15 / 20 / 25
000012:175:x	175	185	185	1.85	0.42	0.15	25.00		5 / 10 / 15 / 20 / 25
000012:180:x	180	190	190	1.90	0.42	0.15	25.00		5 / 10 / 15 / 20 / 25
000012:203:x	203	214	215	2.30	0.42	0.15	25.00	5 / 10	15 / 20 / 25
000012:225:x	225	235	235	2.55	0.28	0.07	25.00		5 / 10 / 15 / 20 / 25
000012:250:x	250	261	262	2.90	0.40	0.13	25.00		5 / 10 / 15 / 20 / 25
000012:254:x	254	265	266	2.95	0.40	0.13	25.00		5 / 10 / 15 / 20 / 25
000012:300:x	300	311	312	3.50	0.40	0.13	25.00		5 / 10 / 15 / 20 / 25
000012:305:x	305	316	317	3.55	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)).

Suitable for the product



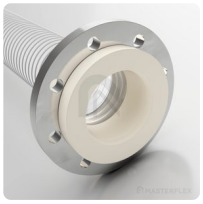
Combiflex VA Threaded Sockets Food
cast-on VA threaded socket with male thread to DIN ISO 228 for all Master-PUR Food hoses, food-safe EU 10/2011



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 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 0**
Product requests via: **https://www.masterflex-slang.nl/**

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