Master-PUR Performance

Article Master No.: 000210

PU suction hose & transport hose, extremely abrasion-resistant & vacuum-proof, seamless smooth inner lining, antistatic and microbe-resistant

antistatic | microbe resistant | moderately flexible | heavy | very pressure resistant

Product Details

Construction / Material

- Type of construction: profile extruded hose with metal spiral
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: made of highly abrasion-resistant material, made of pure material, made of specified material, addition of a non-migrating permanent antistatic agent, wall thickness approx. 2.5 mm
- Specifications of the wall: surface resistance $R_o < 10^9$ Ohm, measured according to DIN EN ISO 8031
- Material of the inner layer: polyether polyurethane
- Specifications of the inner layer: extremely abrasion-resistant, super-strong inliner made of polyurethane 60° Shore A
- Material of the outer layer: polyester polyurethane

Properties

- Specifications of the product: according to TRGS 727 and ATEX 2014/34 EU
- Chemical Properties: microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good resistance to oil, good resistance to petrol, good ozone resistance, plasticiser-free
- Flexibility: moderately flexible
- Physical Properties: permanently antistatic

- Weight: heavy
- Pressure Resistance: very pressure resistant
- Colour: colour of the interior wall
- Other: high vacuum and good pressure resistance, particularly smooth on the inside, configurable as a hose system with digital interface for compatibility with the AMPIUS® app

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: Agriculture, Automotive, Plant & Mechanical Engineering, Industry, Semiconductor Industry, Ventilation & Air-conditioning, Bulk & Construction, Chemistry, Food & Pharma, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Textile, Printing & Paper, Metal & Toolmaking

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	Stock Lengths in m	Length (standard lengths available for order) in m
000210:38:x	38	50	130	0.80	4.35	0.94	20.00	5 / 10 / 15	2,5 / 7,5 / 20
000210:40:x	40	52	135	0.80	4.25	0.94	20.00	7,5 / 10 / 20	2,5 / 5 / 15
000210:45:x	45	57	155	1.00	4.12	0.94	20.00	5	2,5 / 7,5 / 10 / 15 / 20
000210:51:x	51	66	170	1.20	4.00	0.94	20.00	5 / 10 / 15 / 20	2,5 / 7,5
000210:55:x	55	72	175	1.30	3.80	0.94	20.00		2,5 / 5 / 7,5 / 10 / 15 / 20
000210:60:x	60	77	185	1.50	3.70	0.94	20.00	2,5 / 5 / 10 / 15 / 20	7,5
000210:65:x	65	82	190	1.60	3.50	0.94	20.00	2,5 / 5 / 10	7,5 / 15 / 20
000210:76:x	76	93	250	1.90	3.15	0.94	20.00	2,5 / 5 / 10 / 20	7,5 / 15
000210:80:x	80	97	270	2.10	2.90	0.94	20.00	2,5 / 5 / 10 / 15 / 20	7,5
000210:90:x	90	107	285	2.40	2.70	0.94	20.00	2,5 / 7,5 / 10	5 / 15 / 20
000210:102:x	102	119	300	2.60	2.50	0.94	20.00	2,5 / 5 / 7,5 / 10 / 20	15
000210:115:x	115	132	325	3.00	2.30	0.94	15.00		2,5 / 5 / 7,5 / 10 / 15
000210:127:x	127	144	350	3.30	2.00	0.94	15.00	2,5 / 5 / 10 / 15	7,5
000210:140:x	140	154	370	3.46	1.80	0.94	15.00	2,5 / 10	5 / 7,5 / 15
000210:152:x	152	169	400	3.70	1.50	0.94	15.00	2,5 / 5 / 10 / 15 / 20,00	7,5
000210:175:x	175	190	770	4.60	1.10	0.70	10.00		2,5 / 5 / 7,5 / 10

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
000210:180:x	180	195	780	4.70	1.00	0.68	10.00		2,5 / 5 / 7,5 / 10
000210:200:x	200	215	840	5.00	0.80	0.55	10.00		2,5 / 5 / 7,5 / 10
000210:203:x	203	215	840	5.00	0.88	0.55	10.00		10
000210:250:x	250	268	1500	7,2	0,5	0,3	10.00		10,00

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)).

Suitable for the product

Hose Clamp with Bolts
special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units

Hose Clamp with Bolts, Steel quality W4, stainless steel 1.4301
Special clamp for fastening medium and heavy spiral hoses to connection pipes on mobile and stationary units

Combiflex Metal Threaded Sockets
Cast-on threaded connection with external thread according to DIN ISO 228

Combiflex PU Fixed Flange
screw-on plastic flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges according to DIN 2632 / DIN 2633 / DIN 2673

Combiflex PU Threaded Sockets
PU threaded connector for all Master-PUR L, Master-PUR H and Master-PUR HX hose types, based on DIN ISO 228

Combiflex PU Swivel Flange
screw-on plastic collar with loose flange for Master-PUR L, Master-PUR H, Master-PUR HX and Master-PUR Performance, for counterflanges acc. to DIN 2632 / DIN 2633 / DIN 2673

Individual consultation

We offer consultation by phone: **+46 300 1717 0**

Product requests via: **https://www.masterflex.se/**

Headquarters for your sales area

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