



Master-PUR LF Trivolution

Article Master No.: 000378

PU Suction hose & Transport Hose, light duty, very lightweight, antistatic, hardly inflammable acc. to DIN 4102 B1

flame retardant | transparent | antistatic | microbe resistant | compressible | very flexible | light | moderately pressure resistant

Product Details

Construction / Material

- Type of construction: film hose with embedded support coil
- Spiral Design: made of steel wire
- Material of the spiral: spring steel
- Execution of the wall: wall thickness between the spirals approx. 0.4 mm
- Material of the wall: polyester polyurethane
- Specifications of the wall: surface resistance $R_o < 10^9$ Ohm, measured according to DIN EN ISO 8031, according to DIN ISO 4649, the material is more abrasion-resistant than rubber (approx. a factor of 4) or soft PVC (approx. a factor of 3), flame retardant according to DIN 4102 B1

Properties

- Specifications of the product: complies with DIN 26057 Type I, according to TRGS 727 and ATEX 2014/34 EU, see « Downloads and Certificates «
- Chemical Properties: microbe-resistant, halogen-free, good resistance to chemicals, good UV resistance, good resistance to petrol, plasticiser-free
- Mechanical Properties: compressible approx. 1:5, permanently kink-resistant
- Flexibility: very flexible
- Physical Properties: permanently antistatic

- Weight: light
- Pressure Resistance: moderately pressure resistant
- Colour: transparent

Operating Temperature

- Temperature Range: -40to 90°C
- short-term maximum temperature: peaks to 125 °C

Application Areas

- Areas of application: Agriculture, Plant & Mechanical Engineering, Industry, Ventilation & Air-conditioning, Energy Technology, Bulk & Construction, Wood, Food & Pharma, Waste Disposal & Cleaning Technology, Plastics, Conveying, lifting & feeding technology, Textile, 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	suitable for external Ø connection	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
000378:40:x	40	38 - 40	45	22	0.15	0.82	0.19	25.00	5 / 10	15 / 20 / 25
000378:45:x	45	45	50	24	0.16	/	0.18	25.00		5 / 10 / 15 / 20 / 25
000378:51:x	51	50 - 51	56	26	0.18	0.78	0.16	25.00	5 / 10 / 15	20 / 25
000378:60:x	60	60	65	30	0.21	0.76	0.15	25.00	5 / 10	15 / 20 / 25
000378:65:x	65	63 - 65	70	33	0.23	/	0.13	25.00		5 / 10 / 15 / 20 / 25
000378:70:x	70	70	75	35	0.28	0.61	0.13	25.00		5 / 10 / 15 / 20 / 25
000378:76:x	76	75 - 76	81	38	0.30	0.61	0.10	25.00	5 / 10	15 / 20 / 25
000378:80:x	80	80	85	40	0.32	0.53	0.10	25.00	5 / 10	15 / 20 / 25
000378:90:x	90	90	95	45	0.35	0.46	0.07	25.00		5 / 10 / 15 / 20 / 25
000378:102:x	102	100 - 102	107	51	0.41	0.46	0.07	25.00	5 / 10 / 15	20 / 25
000378:110:x	110	110	115	55	0.44	0.38	0.07	25.00	5 / 10	15 / 20 / 25
000378:115:x	115	115	120	57	0.46	/	0.07	25.00		5 / 10 / 15 / 20 / 25
000378:120:x	120	120	125	60	0.48	0.38	0.07	25.00	5 / 10	15 / 20 / 25
000378:127:x	127	125 - 127	132	64	0.50	0.38	0.07	25.00	5 / 10	15 / 20 / 25
000378:130:x	130	130	135	65	0.52	/	0.07	25.00	5 / 10	15 / 20 / 25
000378:140:x	140	140	145	70	0.55	/	0.05	25.00	5 / 10	15 / 20 / 25
000378:152:x	152	150 - 152	157	76	0.60	0.30	0.05	25.00	5 / 10	15 / 20 / 25
000378:160:x	160	160	165	80	0.69	0.30	0.05	25.00	5 / 10 / 15	20 / 25
000378:170:x	170	170	175	85	0.73	/	0.05	25.00		5 / 10 / 15 / 20 / 25
000378:180:x	180	180	185	90	0.77	0.23	0.05	25.00	5 / 10	15 / 20 / 25
000378:203:x	203	200 - 203	208	102	0.94	0.23	0.05	25.00	5 / 10	15 / 20 / 25
000378:254:x	254	254	259	127	1.12	0.15	0.02	25.00	5 / 10	15 / 20 / 25
000378:275:x	275	275	282	138	1.22	/	0.02	25.00		5 / 10 / 15 / 20 / 25
000378:280:x	280	280	285	140	1.22	/	0.02	25.00		5 / 10 / 15 / 20 / 25
000378:305:x	305	305	310	153	1.34	/	0.02	25.00	5 / 10	15 / 20 / 25
000378:315:x	315	315	320	158	1.38	0.14	0.02	25.00		5 / 10 / 15 / 20 / 25

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000378:325:x	325	325	330	163	1.42	/	0.02	25.00		5 / 10 / 15 / 20 / 25
000378:350:x	350	350	355	175	1.53	0.12	0.02	25.00		5 / 10 / 15 / 20 / 25
000378:400:x	400	400	405	200	1.74	0.12	0.02	25.00		5 / 10 / 15 / 20 / 25
000378:250:x	250	250	255	125	1.11	0.16	0.05	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



Hose Reducer, symmetrical
Hose reducer for extending, connecting and joining light to medium weight hoses



Hose connector
Sheet steel connector for extending, connecting and joining light to medium-weight hoses



Master-Grip Hose Clamp, screwable
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-PVC and Master-SANTO



Master-Grip Hose Clamp, screwable, Steel quality W4, stainless steel 1.4301
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-PVC and Master-SANTO



Master-Grip Quick-Fix Clamp
Special clamp for fastening light and medium-weight, right-hand spiral hoses such as Flamex B-se, Flamex B-F se, Master-PUR Trivolution, Master-PVC and Master-SANTO



Individual consultation

We offer consultation by phone: **+49 209 97077 0**

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

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