

## 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



antistatic



electrically  
conductive



hydrolysis  
resistant



microbe  
resistant



flame  
retardant



compressible



transparent



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: material is more abrasion resistant than comparable polyurethane according to DIN ISO 4649, flame retardant according to DIN 4102 B1

#### Properties

- Specifications of the product: complies with DIN 26057, 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 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: -40 - 90
- short-term maximum temperature: peaks to 125 °C

### Delivery Information

### 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	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
000378:40:x	000378	40	45	22	0.15	0.82	0.19	25.00	5, 10
000378:45:x	000378	45	50	24	0.16	/	0.18	25.00	/
000378:51:x	000378	51	56	26	0.18	0.78	0.16	25.00	5, 10, 15, 20
000378:60:x	000378	60	65	30	0.21	0.76	0.15	25.00	5, 10, 15, 20
000378:63:x	000378	63	68	32	0.22	/	0.14	25.00	5, 10
000378:65:x	000378	65	70	33	0.23	/	0.13	25.00	5, 10
000378:70:x	000378	70	75	35	0.28	0.61	0.13	25.00	5, 10, 15
000378:76:x	000378	76	81	38	0.30	0.61	0.10	25.00	5, 10
000378:80:x	000378	80	85	40	0.32	0.53	0.10	25.00	5, 10, 15
000378:90:x	000378	90	95	45	0.35	0.46	0.07	25.00	/
000378:102:x	000378	102	107	51	0.41	0.46	0.07	25.00	5, 10, 15, 20
000378:110:x	000378	110	115	55	0.44	0.38	0.07	25.00	5, 10, 15
000378:115:x	000378	115	120	57	0.46	/	0.07	25.00	/
000378:120:x	000378	120	125	60	0.48	0.38	0.07	25.00	10
000378:127:x	000378	127	132	64	0.50	0.38	0.07	25.00	5, 10
000378:130:x	000378	130	135	65	0.52	/	0.07	25.00	5, 10
000378:140:x	000378	140	145	70	0.55	/	0.05	25.00	5, 10, 15
000378:152:x	000378	152	157	76	0.60	0.30	0.05	25.00	5, 10, 15
000378:160:x	000378	160	165	80	0.69	0.30	0.05	25.00	5, 10, 15
000378:170:x	000378	170	175	85	0.73	/	0.05	25.00	/
000378:180:x	000378	180	185	90	0.77	0.23	0.05	25.00	5, 10, 15
000378:203:x	000378	203	208	102	0.94	0.23	0.05	25.00	5, 10, 15
000378:254:x	000378	254	259	127	1.12	0.15	0.02	25.00	5, 10, 15
000378:275:x	000378	275	282	138	1.22	/	0.02	25.00	/
000378:280:x	000378	280	285	140	1.22	/	0.02	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
000378:305:x	000378	305	310	153	1.34	/	0.02	25.00	5, 10
000378:315:x	000378	315	320	158	1.38	0.14	0.02	25.00	/
000378:325:x	000378	325	330	163	1.42	/	0.02	25.00	/
000378:350:x	000378	350	355	175	1.53	0.12	0.02	25.00	5, 10
000378:400:x	000378	400	405	200	1.74	0.12	0.02	25.00	/
000378:250:x	000378	250	255	125	1.11	0.16	0.05	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



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



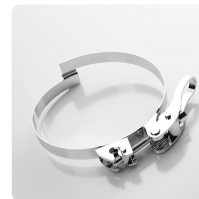
**Hose connector**  
 Sheet steel connector for extending, connecting and joining light to medium-weight hoses



**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 97077-112

Product requests via  
[masterflex.de/en](http://masterflex.de/en)

### Address Headquarters

Masterflex SE  
 Willy-Brandt-Allee 300  
 45981 Gelsenkirchen

