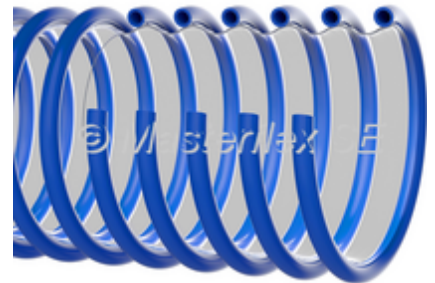


# Master-PUR STEP

PU Film Hose, crush-resistant, hardly inflammable acc. to DIN 4102 B1



Technical Drawing



Connections



Construction



## Material

- spiral: polyurethane, hardly inflammable, with integrated wire
- wall: pure polyester polyurethane with flame-retardent additives (acc. to DIN ISO 4649 more abrasion-resistant than polyether polyurethane)
- wall thickness between spirals approx. 0.5 mm

## Applications

- Ideal as Suction Hose for floor-level areas where conventional hoses are subjected to rough conditions and can be permanently deformed
- Wood processing
- Protective hose
- Suction & transport hose for abrasive solids, liquids and gases

## Properties

- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
- crush-resistant and recoverable
-

- withstands high mechanical loads
- excellent recovery properties
- super lightweight
- highly flexible
- abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for non-flammable dust/bulk solids in Zone 22. For gases/liquids with low conductivity of electrostatic charges in Zone 2.

#### Temperature Range

- -40°C to +90°C
- peaks to +125°C

#### Product Variations (\*\*Please replace "x" with your desired hose length.)

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	old article no.	**new article no.	stock length	max. production length
	bar	bar	mm	mm	kg			m	m
50	0,78	0,2	50	68	0,39	311-050-618	000396:050:x	/	25
51	0,78	0,2	50	68	0,39	311-051-618	000396:051:x	5/10/15	25
60	0,76	0,19	65	80	0,45	311-060-618	000396:060:x	5/10	25
75	0,62	0,13	74	94	0,6	311-075-618	000396:075:x	/	25
76	0,61	0,13	75	95	0,61	311-076-618	000396:076:x	/	25
80	0,53	0,13	80	100	0,65	311-080-618	000396:080:x	5/10/20	25
100	0,47	0,09	98	118	0,79	311-100-618	000396:100:x	/	25
102	0,46	0,09	100	120	0,8	311-102-618	000396:102:x	5/10	25
120	0,38	0,09	120	140	0,95	311-120-618	000396:120:x	5/10	25
140	0,3	0,06	140	160	1,15	311-140-618	000396:140:x	/	25
150	0,3	0,06	148	168	1,19	311-150-618	000396:150:x	/	25
152	0,3	0,06	150	170	1,2	311-152-618	000396:152:x	/	25
160	0,3	0,06	160	180	1,3	311-160-618	000396:160:x	/	25

All data refers to a medium and ambient temperature of +20 °C.

\* Refers to the inner hose lining

Subject to technical changes and colour deviations.

#### Available on request

- Available on request in other lengths, sizes.