



Flamex B-F se

Article Master No.: 000382

PU Film Hose, PU Foil Hose, light duty, highly flexible and compressible, hardly inflammable acc. to DIN 4102 B1



flame retardant



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: made of highly abrasion-resistant material / wall thickness between the spirals approx. 0.5 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 Type I / according to TRGS 727 and ATEX 2014/34 EU, with grounding on both sides of the spiral for aspirative and pneumatic conveying of non-flammable dusts and bulk materials in zone 22. For conveying gases and liquids with low conductivity in zone 2. / complies with the requirements of the Holz-BG, BGI 739-2
- Chemical Properties: good UV resistance / halogen-free / good resistance to chemicals / good resistance to petrol / good resistance to oil / plasticiser-free
- Mechanical Properties: permanently kink-resistant / compressible approx. 1:4
- Flexibility: very flexible

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

Operating Temperature

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

Delivery Information

- Delivery, type of production: various nominal widths in standard lengths are available ex-production, individual nominal widths and lengths also ex-stock / 5 and 10m lengths, from DN 90 compressed and net-packed

Application Areas

- Areas of application: Agriculture / Automotive / Plant & Mechanical Engineering / Industry / Ventilation & Air-conditioning / Bulk & Construction / Wood / 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 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	Length (standard lengths available for order) m
000382:40:x	000382	40	46	20	0.26	0.82	0.24	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:45:x	000382	45	51	22	0.28	0.80	0.22	25.00	/	5 / 10 / 15 / 20 / 25
000382:51:x	000382	51	57	25	0.32	0.78	0.20	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:60:x	000382	60	68	35	0.37	0.76	0.19	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:63:x	000382	63	71	37	0.39	0.72	0.17	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:65:x	000382	65	73	38	0.40	0.68	0.16	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:70:x	000382	70	78	40	0.43	0.61	0.16	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:76:x	000382	76	83	43	0.52	0.61	0.13	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:80:x	000382	80	88	45	0.55	0.53	0.13	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000382:90:x	000382	90	99	50	0.61	0.46	0.09	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:102:x	000382	102	108	55	0.69	0.46	0.09	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000382:110:x	000382	110	119	60	0.75	0.38	0.09	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:115:x	000382	115	124	63	0.78	0.38	0.09	25.00	/	5 / 10 / 15 / 20 / 25
000382:120:x	000382	120	129	65	0.81	0.38	0.09	25.00	5 / 10 / 15 / 20	5 / 10 / 15 / 20 / 25
000382:127:x	000382	127	136	68	0.85	0.38	0.09	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:130:x	000382	130	139	70	0.88	0.30	0.09	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:140:x	000382	140	149	75	0.95	0.30	0.06	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25

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	Length (standard lengths available for order) m
000382:152:x	000382	152	159	80	1.02	0.30	0.06	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:160:x	000382	160	169	85	1.08	0.30	0.06	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:170:x	000382	170	179	90	1.07	0.23	0.06	25.00	/	5 / 10 / 15 / 20 / 25
000382:175:x	000382	175	184	93	1.10	0.23	0.06	25.00	/	5 / 10 / 15 / 20 / 25
000382:180:x	000382	180	189	95	1.13	0.23	0.06	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:200:x	000382	200	208	103	1.24	0.23	0.06	25.00	/	5 / 10 / 15 / 20 / 25
000382:203:x	000382	203	210	105	1.26	0.23	0.06	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:250:x	000382	250	257	128	1.56	0.15	0.03	25.00	/	5 / 10 / 15 / 20 / 25
000382:225:x	000382	225	235	118	1.41	0.15	0.03	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:254:x	000382	254	260	130	1.58	0.15	0.03	25.00	5 / 10 / 15	5 / 10 / 15 / 20 / 25
000382:280:x	000382	280	290	145	1.92	0.15	0.03	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:300:x	000382	300	310	155	2.07	0.14	0.03	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:350:x	000382	350	360	180	2.40	0.12	0.02	25.00	5 / 10	5 / 10 / 15 / 20 / 25
000382:400:x	000382	400	410	210	2.74	0.12	0.02	25.00	/	5 / 10 / 15 / 20 / 25
000382:50:x	000382	50	56	24	0.31	0.79	0.21	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



Heat Shrink Cuff
 Heat shrink sleeve for easy connection and sealing of 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](https://www.masterflex.de/en)

Address Headquarters

Masterflex SE
Willy-Brandt-Allee 300
45981 Gelsenkirchen

