



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: 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, complies with the requirements of the Holz-BG, BGI 739-2, in accordance with TRGS 727 and ATEX requirements, suitable for the aspirated transport of flammable bulk materials and dusts provided the wire spiral is earthed, suitable in accordance with TRGS, provided that there is only a low level of dust inside the hose assembly and, consequently, the occurrence of hazardous explosive dust atmospheres is to be expected only rarely and for short periods (Zone 22)., in accordance with TRGS, when the spiral is earthed, suitable for the pneumatic conveyance of non-combustible bulk solids through Zone 1, where the risk is posed by hazardous substances in groups IIA and IIB. ATEX assessment has do be done by the operator

- 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: -40to 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, 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	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
000382:40:x	40	46	20	0.26	0.82	0.24	25.00	5 / 10	15 / 20 / 25
000382:45:x	45	51	22	0.28	0.80	0.22	25.00		5 / 10 / 15 / 20 / 25
000382:51:x	51	57	25	0.32	0.78	0.20	25.00	5 / 10 / 15	20 / 25
000382:60:x	60	68	35	0.37	0.76	0.19	25.00	5 / 10	15 / 20 / 25
000382:63:x	63	71	37	0.39	0.72	0.17	25.00	5 / 10	15 / 20 / 25
000382:65:x	65	73	38	0.40	0.68	0.16	25.00	5 / 10	15 / 20 / 25
000382:70:x	70	78	40	0.43	0.61	0.16	25.00	10	5 / 15 / 20 / 25
000382:76:x	76	83	43	0.52	0.61	0.13	25.00	5 / 10	15 / 20 / 25
000382:80:x	80	88	45	0.55	0.53	0.13	25.00	5 / 10 / 15 / 20	25
000382:90:x	90	99	50	0.61	0.46	0.09	25.00	5 / 10	15 / 20 / 25
000382:102:x	102	108	55	0.69	0.46	0.09	25.00	5 / 10 / 15 / 20	25
000382:110:x	110	119	60	0.75	0.38	0.09	25.00	5 / 10	15 / 20 / 25
000382:115:x	115	124	63	0.78	0.38	0.09	25.00		5 / 10 / 15 / 20 / 25
000382:120:x	120	129	65	0.81	0.38	0.09	25.00	5 / 10 / 15 / 20	25
000382:127:x	127	136	68	0.85	0.38	0.09	25.00	5 / 10 / 15	20 / 25

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
000382:130:x	130	139	70	0.88	0.30	0.09	25.00		5 / 10 / 15 / 20 / 25
000382:140:x	140	149	75	0.95	0.30	0.06	25.00	5 / 10 / 15	20 / 25
000382:152:x	152	159	80	1.02	0.30	0.06	25.00	5 / 10 / 15	20 / 25
000382:160:x	160	169	85	1.08	0.30	0.06	25.00	5 / 10 / 15 / 6	20 / 25
000382:170:x	170	179	90	1.07	0.23	0.06	25.00		5 / 10 / 15 / 20 / 25
000382:175:x	175	184	93	1.10	0.23	0.06	25.00		5 / 10 / 15 / 20 / 25
000382:180:x	180	189	95	1.13	0.23	0.06	25.00	5 / 10 / 15	20 / 25
000382:200:x	200	208	103	1.24	0.23	0.06	25.00		5 / 10 / 15 / 20 / 25
000382:203:x	203	210	105	1.26	0.23	0.06	25.00	5 / 10 / 15	20 / 25
000382:250:x	250	257	128	1.56	0.15	0.03	25.00		5 / 10 / 15 / 20 / 25
000382:225:x	225	235	118	1.41	0.15	0.03	25.00	5 / 10	15 / 20 / 25
000382:254:x	254	260	130	1.58	0.15	0.03	25.00	5 / 10 / 15	20 / 25
000382:280:x	280	290	145	1.92	0.15	0.03	25.00		5 / 10 / 15 / 20 / 25
000382:300:x	300	310	155	2.07	0.14	0.03	25.00	5 / 10 / 15	20 / 25
000382:350:x	350	360	180	2.40	0.12	0.02	25.00	5 / 10	15 / 20 / 25
000382:400:x	400	410	210	2.74	0.12	0.02	25.00		5 / 10 / 15 / 20 / 25
000382:50:x	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 0**

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

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