

Flamex B-F se

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



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: pure polyester polyurethane (acc. to DIN ISO 4649 more abrasion-resistant in comparison to polyether polyurethane)
- wall thickness between spirals approx. 0.5 mm

Applications

- Shavings extractions in wood processing
- Hardly inflammable transport hose for abrasive solids
- Wood processing machines
- Protective hose against mechanical wear

Properties

- acc. to DIN 26057
- hardly inflammable acc. to DIN 4102 B1
- acc. to requirements of the Holz-BG standard, BGI 739-2
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- symmetrical fold behaviour
- extremely compressable to approx. 1:4
- highly flexible
- very light
- permanently kink resistant
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- high tensile strength
- generally good UV and ozone resistance
- configurable as a hose system with digital interface for compatibility with the AMPIUS® APP
- halogen and plasticizer-free

Temperature Range

- -40°C to +90°C
- peaks to +125°C

Product Variations

DN	op. pressure	vacuum	bend radius	outer Ø	weight/m	article no.	stock length	max. production length
	bar	bar	mm	mm	kg		m	m
40	0,82	0,24	20	46	0,26	000382:40:x	5/10/15	25
45	0,8	0,22	22	51	0,28	000382:45:x	/	25
50	0,79	0,21	24	56	0,31	000382:50:x	/	25
51	0,78	0,2	25	57	0,32	000382:51:x	5/10/15	25
60	0,76	0,19	35	68	0,37	000382:60:x	5/10/15	25
63	0,72	0,17	37	71	0,39	000382:63:x	/	25
65	0,68	0,16	38	73	0,4	000382:65:x	5/10	25
70	0,61	0,16	40	78	0,43	000382:70:x	5/10/15	25
75	0,61	0,15	42	82	0,5	000382:75:x	/	25
76	0,61	0,13	43	83	0,52	000382:76:x	5/10	25
80	0,53	0,13	45	88	0,55	000382:80:x	5/10/15/20	25
90	0,46	0,09	50	99	0,61	000382:90:x	5/10	25
100	0,46	0,09	53	106	0,67	000382:100:x	/	25
102	0,46	0,09	55	108	0,69	000382:102:x	5/10/15/20	25
110	0,38	0,09	60	119	0,75	000382:110:x	5/10/15	25
115	0,38	0,09	63	124	0,78	000382:115:x	5/10	25
120	0,38	0,09	65	129	0,81	000382:120:x	5/10/15/20	25
125	0,38	0,09	67	135	0,83	000382:125:x	/	25
127	0,38	0,09	68	136	0,85	000382:127:x	5/10/15	25
130	0,3	0,09	70	139	0,88	000382:130:x	5/10	25
140	0,3	0,06	75	149	0,95	000382:140:x	5/10/15	25
150	0,3	0,06	78	157	1,01	000382:150:x	/	25
152	0,3	0,06	80	159	1,02	000382:152:x	5/10/15	25
160	0,3	0,06	85	169	1,08	000382:160:x	5/10/15	25
170	0,23	0,06	90	179	1,07	000382:170:x	5/10	25
175	0,23	0,06	93	184	1,1	000382:175:x	/	25
180	0,23	0,06	95	189	1,13	000382:180:x	5/10/15	25
200	0,23	0,06	103	208	1,24	000382:200:x	/	25

203	0,23	0,06	105	210	1,26	000382:203:x	5/10/15	25
225	0,15	0,03	118	235	1,41	000382:225:x	5/10	25
250	0,15	0,03	128	257	1,56	000382:250:x	/	25
254	0,15	0,03	130	260	1,58	000382:254:x	5/10/15	25
280	0,15	0,03	145	290	1,92	000382:280:x	5/10	25
300	0,14	0,03	155	310	2,07	000382:300:x	5/10	25
350	0,12	0,02	180	360	2,4	000382:350:x	5/10	25
400	0,12	0,02	210	410	2,74	000382:400:x	5/10	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.

Manufacturing and Delivery

- from DN 90 compressed and net-packed

Available on request

- Available on request in other lengths, sizes and colours, with print.