

Flamex B se

PU Suction Hose & Transport Hose, lightweight and flexible, hardly inflammable acc. to DIN 4102 B1



Technical Drawing



Connections



Construction



Material

- spiral: spring steel wire
- wall: pure polyester polyurethane with flame-retardant additives (acc. to DIN ISO 4649 more abrasion-resistant than polyether polyurethane)
- wall thickness between spirals approx. 0.7 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
- very light
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- permanently kink resistant
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- highly abrasion-resistant
- good resistance to chemicals, oil and fuel
- generally good UV and ozone resistance
- 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	1,89	0,46	48	48	0,3	000198:40:x	5/10	25
50	1,59	0,39	58	57	0,37	000198:50:x	/	25
51	1,51	0,36	58	58	0,38	000198:51:x	5/10/15/20	25
60	1,26	0,31	68	68	0,5	000198:60:x	5/10	25
63	1,2	0,28	71	71	0,52	000198:63:x	5/10	25
65	1,13	0,26	73	73	0,54	000198:65:x	5/10	25
70	1,01	0,26	78	78	0,58	000198:70:x	5/10	25
75	1,01	0,21	84	83	0,61	000198:75:x	5/10	25
76	0,94	0,21	85	85	0,62	000198:76:x	/	25
80	0,88	0,21	88	88	0,65	000198:80:x	5/10/15/20	25
90	0,76	0,15	99	99	0,8	000198:90:x	5/10	25
100	0,76	0,15	110	108	0,94	000198:100:x	5/10/15/20	25
102	0,71	0,15	111	111	0,95	000198:102:x	/	25
110	0,63	0,15	119	119	0,97	000198:110:x	5/10	25
115	0,63	0,15	124	124	0,98	000198:115:x	/	25
120	0,63	0,15	129	129	1	000198:120:x	5/10/15/20	25
125	0,63	0,15	135	134	1,07	000198:125:x	5/10/15/20	25
127	0,59	0,15	137	137	1,08	000198:127:x	/	25
130	0,5	0,15	139	139	1,14	000198:130:x	5/10	25
140	0,5	0,1	149	149	1,21	000198:140:x	5/10/15/20	25
150	0,5	0,1	161	159	1,27	000198:150:x	5/10	25
152	0,5	0,1	162	162	1,3	000198:152:x	/	25
160	0,5	0,1	170	169	1,42	000198:160:x	5/10/15/20	25
170	0,38	0,1	180	179	1,56	000198:170:x	/	25
175	0,38	0,1	185	184	1,63	000198:175:x	/	25
180	0,38	0,1	190	189	1,7	000198:180:x	5/10	25
200	0,38	0,1	210	210	1,98	000198:200:x	5/10	25
203	0,36	0,09	213	213	2	000198:203:x	/	25
225	0,25	0,05	235	235	2,18	000198:225:x	5/10	25
250	0,25	0,05	260	260	2,33	000198:250:x	5/10	25
254	0,25	0,05	264	264	2,36	000198:254:x	/	25
275	0,25	0,05	284	285	2,47	000198:275:x	/	25

280	0,25	0,05	290	290	2,6	000198:280:x	/	25
300	0,23	0,05	310	310	3,2	000198:300:x	/	20
315	0,23	0,05	325	325	3,32	000198:315:x	/	20
325	0,23	0,05	335	335	3,4	000198:325:x	/	20
350	0,12	0,05	360	360	3,6	000198:350:x	/	20
400	0,12	0,05	410	411	4,45	000198:400:x	/	20
450	0,12	0,05	460	461	5,06	000198:450:x	/	20
500	0,12	0,04	510	511	5,7	000198:500:x	/	20

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 and colours, with print.