

# PU HOSE - PERMANENTLY ANTISTATIC AND FLAME RETARDANT

**Flexadux PU ECO AS SE**

Since 1990  
**FLEXAFLEX**



## Structure:

Flexible Polyurethane ducting AS SE

## Material

Polyether - Polyurethane - Clear - Non Toxic

## Properties:

Flame retardant according to DIN 4102 B 1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic ( $R \leq 10^8 \text{ Ohm}$ ), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739 by grounding the wire

## Applications:

- 0.4 mm Wall Thick** - Abrasive fine dust like wood waste
- 0.6 / 0.7 mm Wall Thick** - Abrasive and slightly bigger dust particles
- 1. / 1.4 mm Wall Thick** - Ideal for suction of very abrasive wooden splinters and chips in wood working Industries
- 2 mm Wall Thick** - Abrasive material conveying hose for industries where fire threat persists.

## Temperature range:

-40° C up to +100 ° C

## Std Length

10 and 15 meters

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### Wall Thick 0.4 mm

int mm	kg/m	mm	mm	bar	bar
25	0.13	0.4	16	0.60	0.30
30	0.15	0.4	20	0.55	0.25
40	0.23	0.4	28	0.50	0.25
50	0.29	0.4	35	0.40	0.20
60	0.34	0.4	42	0.40	0.16
80	0.46	0.4	56	0.27	0.10
100	0.52	0.4	70	0.20	0.09
120	0.61	0.4	88	0.20	0.08
140	0.66	0.4	92	0.15	0.08
150	0.78	0.4	105	0.10	0.07
160	0.85	0.4	114	0.09	0.06
180	0.95	0.4	128	0.09	0.06
200	1.02	0.4	140	0.08	0.05
215	1.14	0.4	185	0.07	0.05
225	1.20	0.4	200	0.06	0.04
250	1.28	0.4	205	0.05	0.04
300	1.54	0.4	210	0.03	0.03
400	2.05	0.4	280	0.01	0.01
500	2.56	0.4	350	0.01	0.01
600	4.60	0.4	400	0.01	0.01
710	5.44	0.4	497	0.01	0.01
800	6.13	0.4	560	0.01	0.01

### Wall Thick 0.7 mm

int mm	kg/m	mm	mm	bar	bar
40	0.40	0.7	40	1.15	0.40
50	0.45	0.7	50	1.00	0.25
60	0.48	0.7	60	1.00	0.25
80	0.65	0.7	80	0.80	0.20
100	0.84	0.7	100	0.60	0.18
120	0.95	0.7	120	0.50	0.15
140	1.06	0.7	140	0.40	0.10
150	1.12	0.7	150	0.38	0.10
160	1.20	0.7	160	0.35	0.08
180	1.45	0.7	180	0.30	0.07
200	1.50	0.7	200	0.25	0.05
215	1.76	0.7	215	0.25	0.05
225	1.85	0.7	225	0.20	0.04
250	1.93	0.7	250	0.20	0.04
300	2.31	0.7	300	0.15	0.02
350	2.95	0.7	350	0.10	0.01
400	3.62	0.7	400	0.10	0.01
450	4.80	0.7	450	0.05	0.01
500	5.81	0.7	500	0.05	0.01

### Wall Thick 1.4 mm

int mm	kg/m	mm	mm	bar	bar
25	0.30	1.4	38	3.0	0.9
30	0.37	1.4	45	3.0	0.9
32	0.38	1.4	48	3.0	0.9
35	0.45	1.4	53	2.6	0.8
38	0.52	1.4	57	2.4	0.8
40	0.56	1.4	60	2.3	0.7
50	0.67	1.4	75	1.9	0.6
60	0.79	1.4	90	1.8	0.6
75	0.98	1.4	113	1.2	0.5
80	1.09	1.4	120	1.2	0.5
90	1.23	1.4	135	1.1	0.5
100	1.36	1.4	150	1.1	0.4
110	1.38	1.4	165	1.0	0.4
120	1.42	1.4	180	0.9	0.3
125	1.54	1.4	188	0.8	0.3
140	1.75	1.4	210	0.7	0.2
150	1.82	1.4	225	0.7	0.2
160	2.15	1.4	240	0.6	0.2
180	2.55	1.4	270	0.5	0.2
200	2.92	1.4	300	0.5	0.2
225	3.25	1.4	338	0.4	0.1
250	3.57	1.4	375	0.3	0.1
300	4.31	1.4	450	0.3	0.1
350	5.05	1.4	525	0.3	0.1
400	5.75	1.4	600	0.2	0.1
450	6.47	1.4	675	0.1	0.1

### Wall Thick 0.6 mm

int mm	kg/m	mm	mm	bar	bar
20	0.14	0.5	20	1.90	0.55
25	0.17	0.5	25	1.70	0.45
30	0.19	0.5	30	1.65	0.45
32	0.20	0.5	32	1.60	0.42
35	0.21	0.5	35	1.50	0.35
38	0.23	0.5	38	1.50	0.30
40	0.25	0.5	40	1.40	0.30
50	0.31	0.5	50	1.30	0.28
60	0.52	0.6	60	1.10	0.25
75	0.65	0.6	75	0.80	0.20
80	0.68	0.6	80	0.80	0.20
90	0.73	0.6	90	0.70	0.16
100	0.83	0.6	100	0.60	0.15
110	0.92	0.6	110	0.50	0.14
120	0.95	0.6	120	0.45	0.14
125	1.03	0.6	125	0.40	0.12
140	1.12	0.6	140	0.30	0.12
150	1.24	0.6	150	0.25	0.10
160	1.25	0.6	160	0.22	0.10
180	1.51	0.6	180	0.22	0.10
200	1.68	0.6	200	0.20	0.09
215	1.81	0.6	215	0.20	0.09
225	1.90	0.6	225	0.15	0.09
250	1.97	0.6	250	0.15	0.08
300	2.36	0.6	300	0.12	0.06
350	2.75	0.6	350	0.10	0.04
400	3.14	0.6	400	0.08	0.02
450	3.55	0.6	450	0.04	0.01
500	3.94	0.6	500	0.02	0.01

### Wall Thick 1.0 mm

int mm	kg/m	mm	mm	bar	bar
13	0.07	1.00	17	1.60	0.80
16	0.10	1.00	21	1.60	0.80
20	0.13	1.00	26	1.50	0.70
25	0.19	1.00	33	1.45	0.55
30	0.25	1.00	39	1.45	0.55
35	0.30	1.00	46	1.25	0.45
38	0.33	1.00	49	1.25	0.45
40	0.35	1.00	52	1.25	0.45
50	0.41	1.00	65	1.20	0.40
60	0.47	1.00	78	1.15	0.35
75	0.61	1.00	98	1.05	0.30
80	0.65	1.00	104	1.05	0.25
90	0.80	1.00	117	0.85	0.25
100	0.95	1.00	130	0.70	0.23
110	1.02	1.00	143	0.65	0.20
120	1.08	1.00	156	0.65	0.20
125	1.13	1.00	163	0.55	0.20
140	1.18	1.00	182	0.55	0.15
150	1.25	1.00	195	0.45	0.15
160	1.34	1.00	208	0.40	0.15
180	1.68	1.00	234	0.35	0.12
200	1.87	1.00	260	0.30	0.10
225	2.11	1.00	293	0.25	0.09
250	2.35	1.00	325	0.25	0.09
300	3.08	1.00	390	0.20	0.07
350	3.75	1.00	455	0.18	0.06
400	4.24	1.00	520	0.15	0.06
450	5.42	1.00	585	0.15	0.06
500	6.02	1.00	650	0.15	0.06

### Wall Thick 2.0 mm

int mm	kg/m	mm	mm	bar	bar
40	1.20	2.00	100	2.50	1.00
50	1.45	2.00	130	2.45	1.00
60	1.50	2.00	150	2.40	1.00
76	1.90	2.00	230	2.25	1.00
80	2.00	2.00	250	2.20	0.95
90	2.20	2.00	300	2.10	0.95
100	2.40	2.00	400	2.00	0.90
110	2.60	2.00	500	1.85	0.90
120	2.80	2.00	600	1.70	0.90
130	3.35	2.00	650	1.54	0.90
140	3.20	2.00	700	1.60	0.85
150	3.40	2.00	800	1.50	0.85
160	3.60	2.00	850	1.45	0.85
170	3.80	2.00	900	1.35	0.83
180	4.00	2.00	1000	1.30	0.80
190	4.50	2.00	1100	1.20	0.75
200	4.70	2.00	1200	1.15	0.80
210	4.80	2.00	1300	1.10	0.80
220	4.90	2.00	1400	1.00	0.75
230	5.20	2.00	1500	0.90	0.72
240	5.40	2.00	1550	0.80	0.80
250	5.60	2.00	1600	0.70	0.55

Depending on installation or operating conditions, the vacuum or pressure values may differ from those stated in the table. In doubtful cases, provide a description of the application you have in mind, and we will be pleased to advise you. Alternative sizes and colours, different tolerances etc. can be supplied on request. Technical Data (at 20°C)

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