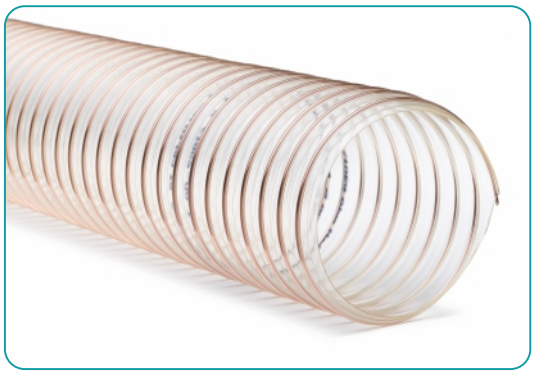
PU HOSE - PERMANENTLY ANTISTATIC AND FLAME RETARDANT

Wall Thickness: 0.4 / 0.6 / 0.7/ 1 / 1.4 / 2 mm

Since 1990

FLEXAFLEX



Structure:

TPU / Polyether-Polyurethane, Reinforced with copper plated steel spring wire.

★Flame Retardant

★Permanently Antistatic

Wall Thickness:

0.4 / 0.6 / 0.7 / 1 / 1.4 / 2 mm

Temperature range:

-40°C up to +100°C,
short term up to 125°C

Colour:

Transparent,

Std. Length:

10 / 15 Meter

Properties:

Flame-retardant, permanently antistatic (R < 10^9 Ohm), hydrolysis- & microbe resistance, very smooth inside, corrugated outside.

Flame-retardant according to DIN 4102 / B1, TRBS 2153/ TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22), discharge capability according to BGI 739-2 with spiral earthing, DIN 26057-4

Applications:

Wall Thick : 0.4 mm

Wood dust extraction, dust extraction, furniture production, extraction systems, extractions arms

Wall Thick : 0.6 mm

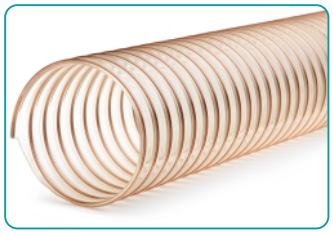
Wood dust extraction, dust extraction, grass extraction, leaf extraction, furniture production

Wall Thick : 0.7 / 1 / 1.4 mm

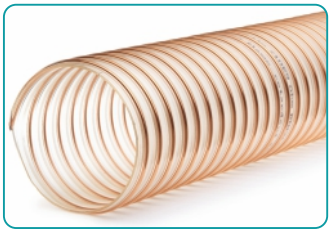
Wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media

Wall Thick : 2 mm

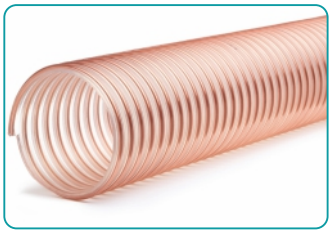
Conveying of abrasive media, roof graveling, vacuum conveyor, fish farming, gravel conveying



Wall Thick : 0.4 & 0.6 mm



Wall Thick : 0.7 & 1 mm



Wall Thick : 1.4 & 2 mm

HIGH TEMP. PU HOSE (HT-PU)

Wall thick. 0.4 mm

int. mm	out. mm	mm	mm	bar	VACUUM bar
25	29.00	0.4	15	0.65	0.30
30	34.00	0.4	18	0.60	0.30
32	36.00	0.4	20	0.55	0.28
35	39.00	0.4	25	0.55	0.28
38	42.00	0.4	22	0.50	0.25
40	44.00	0.4	24	0.50	0.25
45	49.00	0.4	25	0.45	0.25
51	55.00	0.4	31	0.45	0.20
60	64.00	0.4	36	0.40	0.16
65	69.00	0.4	38	0.38	0.15
70	74.00	0.4	40	0.35	0.14
75	79.00	0.4	45	0.30	0.12
80	84.00	0.4	48	0.28	0.10
90	94.00	0.4	55	0.25	0.10
100	105.00	0.4	60	0.20	0.09
110	115.00	0.4	66	0.20	0.08
115	120.00	0.4	69	0.20	0.08
120	125.00	0.4	72	0.20	0.08
125	130.00	0.4	75	0.18	0.07
130	135.00	0.4	80	0.16	0.06
140	145.00	0.4	84	0.15	0.06
150	155.00	0.4	90	0.10	0.06
160	165.00	0.4	96	0.09	0.06
175	180.00	0.4	103	0.09	0.06
180	185.00	0.4	108	0.09	0.06
200	206.00	0.4	120	0.08	0.05
215	221.00	0.4	129	0.07	0.05
225	231.00	0.4	135	0.06	0.04
250	256.00	0.4	150	0.05	0.04
254	260.00	0.4	155	0.05	0.04
260	266.00	0.4	160	0.04	0.04
275	281.00	0.4	165	0.04	0.03
280	286.00	0.4	170	0.04	0.03
300	306.00	0.4	180	0.03	0.03
315	321.00	0.4	195	0.03	0.02
325	331.00	0.4	205	0.03	0.02
350	356.00	0.4	225	0.02	0.02
355	361.00	0.4	225	0.02	0.02
400	406.00	0.4	240	0.02	0.02
450	456.00	0.4	280	0.01	0.01
500	506.00	0.4	300	0.01	0.01
550	558.00	0.4	350	0.01	0.01
560	568.00	0.4	360	0.01	0.01
600	608.00	0.4	400	0.01	0.01

Wall thick. 0.6 mm

int. mm	out. mm	mm	mm	bar	VACUUM bar
20	24.00	0.50	12	1.80	0.45
25	29.00	0.50	15	1.70	0.45
30	34.00	0.50	18	1.50	0.35
32	36.00	0.50	19	1.60	0.42
35	39.00	0.50	20	1.55	0.41
38	42.00	0.50	22	1.50	0.40
40	44.00	0.50	24	1.40	0.30
50	55.00	0.60	30	1.30	0.26
60	65.00	0.60	36	1.10	0.25
65	70.00	0.60	38	1.00	0.23
70	75.00	0.60	40	1.00	0.25
75	80.00	0.60	45	0.80	0.20
80	85.00	0.60	48	0.70	0.18
90	95.00	0.60	54	0.70	0.16
100	105.00	0.60	60	0.60	0.15
110	115.00	0.60	66	0.50	0.14
115	120.00	0.60	69	0.48	0.14
120	125.00	0.60	72	0.45	0.14
125	130.00	0.60	75	0.40	0.12
140	145.00	0.60	84	0.30	0.12
150	155.00	0.60	90	0.25	0.10
160	166.00	0.60	96	0.22	0.10
175	181.00	0.60	103	0.20	0.10
180	186.00	0.60	108	0.20	0.10
200	206.00	0.60	120	0.20	0.09
215	221.00	0.60	130	0.18	0.08
225	231.00	0.60	135	0.15	0.08
250	257.00	0.60	150	0.15	0.06
254	261.00	0.60	158	0.15	0.06
280	287.00	0.60	170	0.13	0.06
300	307.00	0.60	180	0.12	0.06
315	322.00	0.60	185	0.11	0.05
325	332.00	0.60	195	0.10	0.04
350	357.00	0.60	210	0.10	0.04
400	407.00	0.60	240	0.08	0.02
450	457.00	0.60	270	0.04	0.01
500	507.00	0.60	300	0.02	0.01

HIGH TEMP. PU HOSE (HT-PU)

Wall thick. 0.7 mm

int. mm	out. mm	mm	mm	bar	VACUUM bar
25	30.00	0.7	15	1.55	0.40
30	35.00	0.7	20	1.45	0.38
32	37.00	0.7	22	1.40	0.35
35	40.00	0.7	24	1.40	0.34
38	43.00	0.7	26	1.40	0.33
40	45.00	0.7	28	1.35	0.32
45	50.00	0.7	30	1.20	0.30
50	56.00	0.7	35	1.18	0.27
55	61.00	0.7	38	1.18	0.27
60	66.00	0.7	42	1.18	0.27
65	71.00	0.7	48	1.10	0.25
70	76.00	0.7	51	1.10	0.25
76	82.00	0.7	53	0.90	0.23
80	86.00	0.7	56	0.86	0.21
90	96.00	0.7	60	0.75	0.20
102	108.00	0.7	71	0.64	0.19
110	116.00	0.7	78	0.60	0.17
115	121.00	0.7	80	0.58	0.16
120	126.00	0.7	84	0.54	0.16
125	131.00	0.7	88	0.50	0.15
130	136.00	0.7	92	0.45	0.13
140	146.00	0.7	98	0.43	0.11
150	156.00	0.7	105	0.41	0.11
160	166.00	0.7	112	0.37	0.11
175	181.00	0.7	123	0.35	0.11
180	187.00	0.7	126	0.32	0.11
200	207.00	0.7	140	0.27	0.10
215	217.00	0.7	150	0.23	0.06
225	232.00	0.7	158	0.21	0.08
250	257.00	0.7	175	0.21	0.06
254	261.00	0.7	179	0.20	0.06
275	282.00	0.7	185	0.18	0.06
300	307.00	0.7	210	0.16	0.06
315	322.00	0.7	225	0.14	0.05
325	332.00	0.7	235	0.11	0.03
350	357.00	0.7	245	0.11	0.02
400	407.00	0.7	280	0.09	0.01
450	457.00	0.7	315	0.07	0.01
500	507.00	0.7	350	0.05	0.01

Wall thick. 1 mm

int. mm	out. mm	mm	mm	bar	VACUUM bar
13	19.00	1.00	11	2.16	0.80
20	26.00	1.00	17	2.03	0.70
25	31.00	1.00	21	1.96	0.55
30	36.00	1.00	26	1.96	0.55
32	38.00	1.00	28	1.80	0.50
35	41.00	1.00	30	1.69	0.45
38	44.00	1.00	32	1.69	0.45
40	47.00	1.00	34	1.69	0.45
50	57.00	1.00	43	1.32	0.40
60	67.00	1.00	51	1.27	0.35
65	72.00	1.00	56	1.25	0.34
70	77.00	1.00	59	1.20	0.32
75	82.00	1.00	64	1.16	0.30
80	87.00	1.00	68	1.05	0.25
90	97.00	1.00	77	0.85	0.25
100	107.00	1.00	85	0.70	0.23
110	117.00	1.00	94	0.65	0.20
115	122.00	1.00	98	0.65	0.20
120	128.00	1.00	102	0.65	0.20
125	133.00	1.00	106	0.55	0.20
140	148.00	1.00	119	0.55	0.15
150	158.00	1.00	128	0.45	0.15
152	160.00	1.00	130	0.45	0.15
160	168.00	1.00	136	0.40	0.15
175	183.00	1.00	148	0.38	0.13
180	188.00	1.00	153	0.35	0.12
200	208.00	1.00	170	0.30	0.11
215	223.00	1.00	181	0.28	0.10
225	233.00	1.00	191	0.25	0.09
250	258.00	1.00	213	0.25	0.08
254	262.00	1.00	218	0.25	0.08
275	283.00	1.00	230	0.24	0.07
300	308.00	1.00	255	0.20	0.07
325	334.00	1.00	280	0.20	0.06
350	359.00	1.00	298	0.18	0.06
400	409.00	1.00	340	0.14	0.06
450	459.00	1.00	390	0.12	0.05
500	509.00	1.00	440	0.10	0.03

HIGH TEMP. PU HOSE (HT-PU)

Wall thick. 1.4 mm

int. mm	out. mm	mm	mm	bar	VACUUM bar
20	28.00	1.4	20	3.90	0.90
25	33.00	1.4	25	3.75	0.90
30	39.00	1.4	30	3.75	0.90
32	41.00	1.4	32	3.56	0.86
35	44.00	1.4	35	3.20	0.80
38	47.00	1.4	38	2.88	0.70
40	49.00	1.4	40	2.88	0.70
45	54.00	1.4	45	2.45	0.65
50	59.00	1.4	50	2.38	0.60
55	64.00	1.4	55	2.30	0.58
60	69.00	1.4	60	2.25	0.55
65	74.00	1.4	65	2.15	0.55
70	79.00	1.4	70	2.00	0.55
76	85.00	1.4	76	1.75	0.50
80	89.00	1.4	80	1.50	0.45
90	99.00	1.4	90	1.35	0.40
100	110.00	1.4	100	1.21	0.40
110	120.00	1.4	110	1.15	0.38
115	125.00	1.4	115	1.10	0.35
120	130.00	1.4	120	0.99	0.30
127	137.00	1.4	127	0.88	0.25
130	140.00	1.4	130	0.80	0.23
140	150.00	1.4	140	0.77	0.20
150	160.00	1.4	150	0.77	0.20
160	170.00	1.4	160	0.66	0.20
175	185.00	1.4	175	0.60	0.18
180	190.00	1.4	180	0.55	0.15
200	211.00	1.4	200	0.55	0.15
205	216.00	1.4	205	0.50	0.14
215	226 00	1.4	215	0 45	0 12
225	236.00	1.4	225	0.44	0.10
250	261.00	1.4	250	0.38	0.10
254	265.00	1.4	254	0.38	0.10
300	311.00	1.4	300	0.30	0.10

Wall thick. 2 mm

int mm	out mm	mm	mm	bar	VACUUM bar
38	50.00	2.00	100	3.75	0.95
40	52.00	2.00	100	3.75	0.95
45	57.00	2.00	105	3.75	0.95
51	63.00	2.00	126	3.19	0.95
60	72.00	2.00	150	2.80	0.95
65	77.00	2.00	165	2.60	0.95
70	82.00	2.00	170	2.50	0.95
76	88.00	2.00	190	2.25	0.95
80	93.00	2.00	200	2.09	0.95
90	103.00	2.00	220	1.95	0.95
102	115.00	2.00	290	1.90	0.95
110	123.00	2.00	305	1.80	0.90
115	128.00	2.00	320	1.60	0.90
120	133.00	2.00	350	1.55	0.90
127	140.00	2.00	358	1.45	0.85
130	140.00	2.00	365	1.30	0.80
140	153.00	2.00	442	1.30	0.80
152	165.00	2.00	462	1.35	0.75
160	173.00	2.00	680	1.25	0.70
180	193.00	2.00	750	1.10	0.65
200	213.00	2.00	900	1.04	0.60
250	263.00	2.00	1.300	0.63	0.40

- All technical data are subject to dimensional tolerances of ± 0.5%.
- All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max.operating pressures apply only for short periods. We reserve the right to make technical changes and color deviations.
- Further diameters upon Bulk order request

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