



Antistatic polyurethane hose, medium-heavy duty, microbe resistant + flame-retardant

## Applications

- flexible hose/ ducting for abrasive powder, bulk material, granulate and for gases
- printed circuit board drilling machines (PCB)
- offset printing machine: air supply, air supply cabinet
- air supply: UV dryer, IR dryer
- extraction unit, dust collection systems, filter system, oil mist extraction
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- textile industry, fiber extraction: spinning machine, knitting machine, weaving loom machine
- animal stall, animal shed: barn ventilation
- clean room ventilation, semiconductor production machine
- compressor, side channel blower, vacuum pump, pressure pump, pump
- surface preparation: shot blasting/ sand blasting recovery (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine

- municipal vehicle: sweeper, sweeping machine
- municipal vehicle: lawn mower, slope mower, leaf blower/ leaf collector
- scrubber, floor cleaning machine
- heating hose: exterior hose as protection hose

## Properties

- medium-heavy duty
- highly abrasion resistant
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- flame-retardant according to: UL94-V2
- flame-retardant according to: DIN 4102-B1
- permanently antistatic wall: in accordance with ISO 8031 electrical and surface resistance  $<10^9 \Omega$  and in accordance with TRGS 727  $<2,5 * 10^8 \Omega$
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: pneumatic transport of flammable dusts and bulk materials (Zone 20, 21, 22 inside), aspiration of combustible dusts (Zone 22 inside), for conveying for flammable liquids (inside zone 0, 1, 2), for conveying for non-flammable liquids, for use in zone 1 and 2 (gases), for use in zone 0 (gases)

- conforms to the safety regulations of the German Wood Trade Association
- according to DIN 26057 Type 2
- conforms to RoHS guideline

## Temperature range

- 40°F to 195°F
- short time to 255°F

## Design, material

- spring steel wire firmly embedded in the wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.03 inch approximate

## Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: full colored
- customer-specific branding

I.D. in / mm	O.D. in	Pressure DIN 26057 (50% Elongation) psi	Vacuum DIN 26057 (axially fixed) inHG	Bending Radius in	Weight lbs./ft	Stock length ft	Further production lengths ft
1 / 25	1.25	35.45 (78.95)	22.30 (29.53)	0.89	0.130	25 50	-
- / 30	1.46	29.80 (66.30)	18.60 (29.53)	1.02	0.170	-	25 50
1.25 / 32	1.54	28.00 (62.30)	17.42 (29.53)	1.06	0.180	-	25 50
1.5 / 38	1.75	23.70 (52.70)	14.62 (29.53)	1.22	0.210	25 50	-
- / 40	1.85	22.55 (50.20)	13.88 (29.53)	1.25	0.220	-	25 50
1.75 / 44-45	2.05	20.15 (44.75)	12.40 (29.53)	1.36	0.250	-	25 50
2 / 50-51	2.24	18.15 (40.30)	11.22 (29.53)	1.50	0.270	25 50	-
- / 55	2.44	16.55 (36.75)	10.19 (29.38)	1.59	0.295	-	25 50
2.36 / 60	2.64	15.25 (33.70)	9.30 (24.66)	1.73	0.325	-	25 50
2.5 / 63-65	2.76	14.05 (31.20)	8.56 (21.11)	1.83	0.350	25 50	-
- / 70	3.03	13.05 (29.00)	5.46 (24.51)	1.97	0.375	-	25 50
3 / 75-76	3.20	12.20 (27.10)	5.17 (21.41)	2.07	0.395	25 50	-
- / 80	3.43	11.45 (25.45)	4.72 (18.90)	2.20	0.430	-	25 50
3.5 / 89-90	3.82	10.25 (22.65)	4.28 (15.06)	2.44	0.485	25 50	-
4 / 100-102	4.21	9.20 (20.40)	3.99 (19.49)	2.68	0.540	25 50	-
- / 110	4.61	8.35 (18.55)	3.69 (16.09)	2.91	0.585	-	25 50
4.5 / 114-115	4.80	8.00 (17.75)	3.54 (14.76)	3.01	0.605	25 50	-
4.72 / 120	5.00	7.70 (17.05)	3.40 (13.44)	3.15	0.640	-	25 50

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5 / 125-127	5.20	7.40 (16.30)	3.25 (12.40)	3.25	0.660	25 50	-
- / 130	5.39	7.10 (15.75)	3.10 (11.52)	3.39	0.680	-	25 50
5.5 / 140	5.79	6.60 (14.60)	2.81 (9.89)	3.62	0.730	25 50	-
6 / 150-152	6.18	6.15 (13.65)	2.21 (10.63)	3.86	0.940	25 50	-
6.3 / 160	6.57	5.80 (12.75)	2.07 (9.30)	4.09	1.010	-	25 50
- / 170	6.97	5.45 (12.05)	1.92 (8.12)	4.25	1.060	-	25 50
- / 175	7.17	5.30 (11.70)	1.92 (7.68)	4.43	1.095	-	25 50
7 / 178-180	7.36	5.15 (11.40)	1.77 (7.23)	4.57	1.120	25 50	-
8 / 200-203	8.15	4.65 (10.25)	1.62 (5.76)	5.04	1.250	25	-
- / 225	9.13	4.15 (9.15)	1.48 (4.43)	5.61	1.400	-	25
- / 250	10.12	3.70 (8.20)	1.33 (3.40)	6.22	1.550	-	25
10 / 254	10.28	3.65 (8.05)	1.33 (3.25)	6.30	1.580	25	-
- / 275	11.10	3.35 (7.45)	1.18 (2.81)	6.79	1.705	-	25
11 / 280	11.30	3.35 (7.30)	1.18 (2.66)	6.93	1.740	25	-
- / 300	12.09	3.10 (6.80)	1.03 (2.21)	7.40	1.860	-	25
12 / 305	12.28	3.05 (6.75)	1.03 (2.21)	7.50	1.890	25	-
- / 315	12.68	2.95 (6.55)	1.03 (2.07)	7.74	1.950	-	25
- / 350	14.06	2.70 (5.85)	0.89 (1.62)	8.58	2.165	-	25
14 / 356	14.29	2.60 (5.80)	0.89 (1.77)	8.74	2.245	25	-
- / 400	16.02	2.30 (5.15)	0.89 (1.33)	9.76	2.800	-	25
- / 450	18.00	2.05 (4.55)	0.74 (1.03)	11.06	3.150	-	25
- / 500	19.96	1.90 (4.15)	0.74 (0.89)	12.32	3.495	-	25