



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

Applications

- flexible hose/ ducting for high volume of abrasive powder, bulk material, granulate and for gases
- plastic industry, conveying of granulates and powders: granulate conveying equipment, vacuum hopper/ conveyor, suction conveyor, dosing system, bulk-bag (big bag)-charging and discharging, shredder, mill, extruder, injection moulding machine
- printed circuit board drilling machines (PCB)
- powder spraying, powder coating: e.g. printing industry
- offset printing machine: air supply, air supply cabinet
- industrial vacuum cleaners, vacuum cleaners
- explosion hazard area
- agricultural industry, conveying of seed and fertilizers: seeding machine, seed drill, drilling machine
- agricultural industry: pneumatic grain conveyor
- construction industry, road milling machine
- raw material conveying hose for powders, granulates, sand, quartz, gravel, shards and chips/ shavings
- compressor, side channel blower, vacuum pump, pressure pump, pump
- paper mill, paper and pulp industry, packaging machine: edge strip suctioning system/ edge trim exhaust systems

- 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
- vacuum lifting equipment, vacuum handling system

Properties

- heavy duty
- highly abrasion resistant
- increased pressure and vacuum resistance
- 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 con-

- veying 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 3
- 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 0.055 - 0.060 inch approximate

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: partially colored, completely 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
standard							
- / 13	0.79	72.50 (145.05)	29.53 (29.53)	0.53	0.095	-	25 50
5/8 / 16	0.91	71.05 (130.55)	29.53 (29.53)	0.59	0.110	-	25 50
- / 18	1.00	63.90 (120.40)	29.53 (29.53)	5/8	0.115	-	25 50
- / 20	1.06	68.45 (120.40)	29.53 (29.53)	0.67	0.155	-	25 50
- / 22	1.14	62.80 (119.50)	29.53 (29.53)	0.71	0.170	-	25 50
1 / 25	1.25	55.90 (105.95)	29.53 (29.53)	3/4	0.190	25 50	-
- / 30	1.57	58.00 (110.15)	29.53 (29.53)	1.00	0.280	-	25 50
1.25 / 32	1.65	54.70 (103.65)	29.53 (29.53)	1.02	0.295	25 50	-
1.36 / 35	1.75	50.35 (95.20)	29.53 (29.53)	1.08	0.325	-	25 50
1.5 / 38	1.89	46.65 (88.05)	29.53 (29.53)	1.14	0.350	25 50	-
- / 40	1.97	44.45 (83.85)	29.53 (29.53)	1 1/8	0.365	25 50	-
- / 42	2.05	42.15 (80.25)	26.87 (29.53)	1.22	0.375	-	25 50
1.75 / 44-45	2.17	39.80 (74.90)	27.02 (29.53)	1.28	0.405	-	25 50
2 / 50-51	2.36	36.05 (67.65)	24.36 (29.53)	1.36	0.445	25 50	-
- / 55	2.56	32.90 (61.70)	22.15 (29.53)	1.48	0.485	-	25 50
2.36 / 60	2.76	30.30 (56.80)	20.23 (29.53)	1.57	0.525	25 50	-



I.D.	O.D.	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
in / mm	in						
2.5 / 63-65	2.95	28.05 (52.50)	18.75 (29.53)	1.67	0.565	25 50	
- / 70	3.19	26.10 (48.90)	15.95 (29.53)	2.44	0.660	25 50	
3 / 75-76	3.39	24.45 (45.70)	14.91 (29.53)	2.58	0.705	25 50	
- / 80	3.58	23.00 (42.85)	14.03 (29.53)	2.72	0.745	-	25 50
3.5 / 89-90	3.98	20.50 (38.20)	12.40 (28.06)	3.00	0.840	25 50	
4 / 100-102	4.37	18.50 (34.45)	11.52 (27.46)	3.27	1.000	25 50	
- / 110	4.76	16.80 (31.40)	10.48 (22.74)	3.54	1.095	-	25 50
4.5 / 114-115	4.96	16.15 (30.00)	10.04 (20.97)	3.68	1.130	25 50	-
4.72 / 120	5.16	15.50 (28.80)	9.60 (19.19)	3.82	1.190	-	25 50
5 / 125-127	5.35	14.85 (27.70)	9.30 (17.72)	3.96	1.235	25 50	-
- / 130	5.55	14.30 (26.60)	8.86 (16.54)	4.09	1.285	-	25 50
5.5 / 140	5.94	13.35 (24.75)	8.27 (14.32)	4.37	1.365	25 50	
6 / 150-152	6.34	12.45 (23.15)	7.97 (15.65)	4.65	1.620	25 50	
6.3 / 160	6.73	11.70 (21.70)	7.53 (13.73)	4.92	1.720	-	25 50
- / 170	7.13	11.00 (20.45)	7.09 (12.25)	5.20	1.830	-	25 50
- / 175	7.32	10.65 (19.85)	6.79 (11.52)	5.33	1.875	-	25 50
7 / 178-180	7.52	10.35 (19.30)	6.64 (10.93)	5.47	1.930	25 50	
8 / 200-203	8.39	9.35 (17.40)	4.43 (10.63)	6.14	2.095	25 50	
- / 225	9.37	8.35 (15.45)	3.84 (8.27)	6.83	2.350	-	25
- / 250	10.35	7.55 (13.90)	3.54 (6.50)	7.52	2.605	-	25
10 / 254	10.51	7.40 (13.70)	3.40 (6.35)	7.64	2.655	25	-
- / 275	11.34	6.80 (12.70)	3.25 (5.32)	8.21	2.860	-	25
11 / 280	11.54	6.75 (12.45)	3.10 (5.17)	8.35	2.910	25	-
- / 300	12.32	6.30 (11.60)	2.66 (5.76)	8.90	3.465	-	25
12 / 305	12.52	6.15 (11.45)	2.66 (5.61)	9.06	3.525	25	-
- / 315	12.91	5.95 (11.10)	2.51 (5.17)	9.31	3.635	-	25
- / 325	13.31	5.80 (10.75)	2.51 (4.72)	9.59	3.750	-	25
13 / 330	13.50	5.75 (10.60)	2.36 (4.58)	9.70	3.810	-	25
- / 350	14.29	5.35 (10.00)	2.21 (3.84)	10.28	4.030	-	25
- / 400	16.26	4.70 (8.70)	2.07 (3.54)	11.65	5.390	-	25
- / 450	18.23	4.20 (7.75)	1.92 (2.66)	13.03	6.050	-	25
- / 500	20.24	3.75 (6.95)	1.62 (2.07)	14.45	6.720	-	25

neutral imprint: <ID> antistatic + microbe resistant + flame retardant <neutral batch no.>

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1.5 / 38	1.89	46.65 (88.05)	26.90 (29.53)	1.14	0.350	-	25 50
- / 40	1.97	44.45 (83.85)	25.57 (29.53)	1 1/8	0.365	-	25 50
1.75 / 44-45	2.17	39.80 (74.90)	22.73 (29.53)	1.28	0.405	-	25 50
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