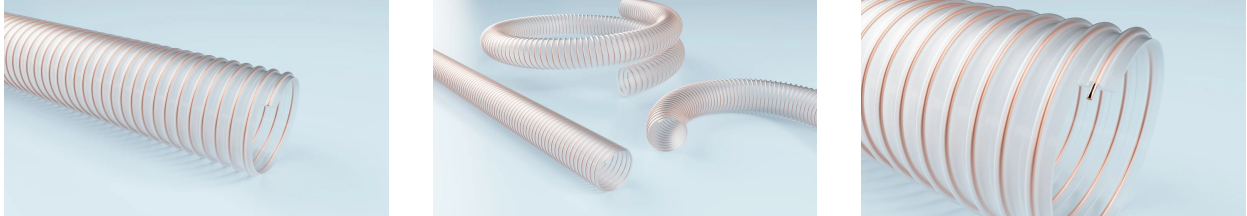


ATEX/ESD · II 1/2GD (interior zone 0/20, exterior zone 1/21) — antistatic per TRGS 727

AIRDUC® PUR 355 AS (HD)

Antistatic heavy-duty polyurethane hose for abrasive media in ATEX zones



Heavy-duty antistatic polyurethane hose (HD wall, 1-1.5 mm) for high-throughput conveyance of abrasive media in ATEX zones. The construction is Type 3 to DIN 26057, and the surface resistance below $10^9 \Omega$ meets TRGS 727 and NFPA 652. With a flame-retardant formulation (UL94-V2 + DIN 4102-B1) and broad ATEX approval (Zone 0/1/2 gas, Zone 20/21/22 dust), it is the industrial default where the medium is particularly abrasive — granulates, sand, fractions — and the dust may develop electrostatic sparks at the same time.

R: $<10^9 \Omega$

ATEX: Zone 0/1/2 + 20/21/22

Media: Gas, Dust, Liquid, Granulate

✓ Cut to length

Technical specifications

Material	Polyurethane (PUR), permanently antistatic
Colour	Black
Wall construction	Heavy-duty (HD), spiral-reinforced antistatic PUR
Conveying media	Gas, Dust, Liquid, Granulate
Electrical resistance	$<10^9 \Omega$
ATEX classification	II 1/2GD (interior zone 0/20, exterior zone 1/21) — antistatic per TRGS 727 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3551001-AS

Standards and compliance

ATEX 2014/34/EU, TRGS 727, DIN 26057 Type 2, REACH, RoHS

Dimensions and ordering

The hose is supplied in 58 standard sizes from inner Ø 13.0 mm to 500.0 mm. Each size has its own article number. Standard roll length is typically 10 m, and the hose can be cut to length.

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
13	20	1	5	11.3	1	1	14	20	0.14	10	35500130000
16	23	1	4.9	9.35	1	1	15	20	0.16	10	35500160000
18	25	1	4.405	8.38	1	1	16	20	0.18	10, 20	35500180000
20	27	1.2	4.72	9	1	1	17	25	0.24	10, 15, 20	35500200000
22	29	1.5	4.33	8.24	1	1	18	25	0.26	10	35500220000
25.1	32.1	1.2	3.855	7.31	1	1	20	25	0.29	10, 15, 20	35500250000
26	33	1.3	4	7.59	1	1	-	25	0.32	-	35500260000
30	40	1.5	4	7.59	1	1	25	25	0.42	10, 15	35500300000
32	42	1.5	3.77	7.15	1	1	26	25	0.45	-	35500320000
35	45	1.5	3.47	6.56	1	1	28	25	0.48	10	35500350000
38	48	1.5	3.215	6.07	1	1	29	30	0.52	10, 15, 20	35500380000
40	50	1.5	3.065	5.78	1	1	30	30	0.54	10, 15, 20	35500400000
42	52	1.5	2.905	5.53	0.91	1	31	30	0.57	10	35500420000
45	55	1.5	2.745	5.16	0.915	1	33	30	0.6	15	35500450000
48	58	1.5	2.485	4.67	0.825	1	34	30	0.64	-	35500480000
50.5	60.5	1.5	2.485	4.67	0.825	1	35	30	0.675	10, 15, 20, 25	35500500000
55	65	1.5	2.27	4.26	0.75	1	38	30	0.72	10, 15	35500550000
60	70	1.5	2.09	3.91	0.685	1	40	30	0.78	5, 10, 15, 20	35500600000
64.5	74.5	1.5	1.935	3.62	0.635	1	43	30	0.84	10, 15, 20	35500650000
70	81	1.5	1.8	3.37	0.54	1	62	30	0.99	10, 15	35500700000
75.6	86	1.5	1.685	3.15	0.505	1	66	30	1.05	10, 15	35500750000
75.6	86.5	1.5	1.685	3.15	0.505	1	70	25	1.06	-	35500760000
80	91	1.5	1.585	2.96	0.475	1	69	30	1.12	5, 10, 15	35500800000
85	96	1.5	1.415	2.63	0.42	0.88	-	25	1.18	-	35500850000
90	101	1.5	1.415	2.63	0.42	0.88	76	30	1.25	10, 15	35500900000
101.5	112.5	1.5	1.275	2.38	0.39	0.93	83	25	1.5	5, 10, 15	35501000000
102	113	1.5	1.275	2.38	0.39	0.93	83	25	1.51	-	35501020000
110	121	1.5	1.16	2.16	0.355	0.77	90	25	1.62	10, 15	35501100000
115	126	1.5	1.115	2.07	0.34	0.71	94	25	1.69	10	35501150000
120	131	1.5	1.07	1.99	0.325	0.65	97	25	1.76	10	35501200000
126.5	137.5	1.5	1.025	1.91	0.315	0.6	101	25	1.85	10, 15	35501250000
130	141	1.5	0.985	1.84	0.3	0.56	104	25	1.9	10	35501300000

Inner Ø [mm]	Outer Ø [mm]	Wall th. [mm]	Press. DIN [bar]	Press. 50% [bar]	Vacuum DIN [bar]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
140	151	1.5	0.92	1.71	0.28	0.48	111	25	2.04	10	35501400000
151.5	163.5	1.5	0.86	1.59	0.27	0.53	118	20	2.43	5, 10, 15	35501500000
152.4	164	1.5	0.85	1.58	0.27	0.53	119	20	2.44	-	35501520000
160	172	1.5	0.805	1.5	0.255	0.47	125	20	2.56	5, 10, 15	35501600000
165	177	1.5	0.76	1.41	0.24	0.41	128	20	2.64	-	35501650000
170	182	1.5	0.76	1.41	0.24	0.41	132	20	2.72	10	35501700000
175	187	1.5	0.735	1.37	0.23	0.39	136	20	2.8	-	35501750000
180	192	1.5	0.715	1.33	0.225	0.37	139	20	2.88	10	35501800000
185	197	1.5	0.645	1.2	0.15	0.36	146	20	2.95	-	35501850000
202.3	215.3	1.5	0.645	1.2	0.15	0.36	156	15	3.16	5, 10	35502000000
202.3	216	1.5	0.645	1.2	0.15	0.36	156	15	3.16	-	35502030000
225	238	1.5	0.575	1.07	0.13	0.28	174	15	3.5	10	35502250000
250	263	1.5	0.52	0.96	0.12	0.22	191	15	3.88	10	35502500000
254	267	1.5	0.51	0.95	0.115	0.21	194	15	3.94	-	35502540000
275	288	1.5	0.47	0.87	0.11	0.18	209	15	4.26	10	35502750000
280	293	1.5	0.465	0.86	0.105	0.17	212	15	4.33	10	35502800000
300	313	1.5	0.435	0.8	0.09	0.2	226	10	5.18	10	35503000000
305	318	1.5	0.425	0.79	0.09	0.19	230	10	5.26	-	35503050000
315	328	1.5	0.41	0.76	0.085	0.17	237	10	5.43	10	35503150000
325	338	1.5	0.4	0.74	0.085	0.16	244	10	5.6	10	35503250000
330	343	1.5	0.37	0.69	0.075	0.13	247	10	5.69	-	35503300000
350	363	1.5	0.37	0.69	0.075	0.13	261	10	6.02	10	35503500000
400	413	1.5	0.325	0.6	0.07	0.12	296	10	8.07	5, 10	35504000000
406	419	1.5	-	-	-	-	302	10	8.19	-	35504060000
450	463	1.5	-	-	-	-	331	10	9.06	10	35504500000
500	514	1.5	0.26	0.48	0.055	0.07	367	10	10.06	10	35505000000

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Contact and advisory

Particulair

Højtoften 12
2690 Karlslunde, Denmark
CVR: 34129894

Phone: (+45) 70 23 12 03
E-mail: sales@particulair.com
Web: particulair.eu

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