

## **AIRDUC PUR 355 AS - heavy duty, anti-static, abrasion resistant Antistatic polyurethane hose, heavy, microbe resistant, flame- resistant**



### **Technical specifications:**

#### **APPLICATIONS**

- flexible hose/ ducting for high throughput 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 machine (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 e.g. at 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
- silos and tankers: silo charging, silo discharging
- silo and tankers: conveying of wood pellets, plastic granulate, plastic powder

#### **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 & DIN 4102-B1
- permanently antistatic wall: according to ISO 8031 electrical and

surface resistance  $<10^9 \Omega$  (according to TRGS 727  $<2,5 \cdot 10^8 \Omega \cdot m$  and NFPA 652  $10^8-10^9 \Omega$ )

- 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),
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: 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 3
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

### DELIVERY VARIANTS

- further diameters and lengths available on request
- transparent (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding

### DESIGN

- AIRDUC® profile hose
- 1. spring steel wire firmly embedded in wall
- 2. wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- 3. wall thickness 1,4 - 1,5 mm approx.

### TEMPERATURE RANGE

- $-40^\circ\text{C}$  to  $90^\circ\text{C}$
- short time to  $125^\circ\text{C}$

**Hőállóság:**  $-40^\circ\text{C}/+90^\circ\text{C}$  rövid ideig +  $125^\circ\text{C}$

**Felépítés:** Poliuretán, áttetsző, beágyazott acélspirállal, belül közel sima, kívül hullámos

**Falvastagság:** 1,4 mm a spirálok között

**Szabvány:** ATEX 2014/34/EU (1999/92/EC), Német TRGS 727, DIN 26057 2. típus, megfelel a RoHS iránymutatásoknak

**Égés gátolt:** Megfelel a UL94-V2, DIN 4102-B1 előírásoknak

**Elektromos ellenállás:**  $R < 10^9 \text{ Ohm}$  (TRGS 727 szerint  $< 2,5 \cdot 10^8 \text{ Ohm} \cdot m$  és NFPA 652  $10^8 - 10^9 \text{ Ohm}$ )

**Kivitel:** DIN 26057 Type 3

**Üzemi nyomás:** DIN 26057 (50% hossz nyúlás)

**Vákuum:** DIN 26057 (rögzített végek)

**Tekercsméret:** 10 m

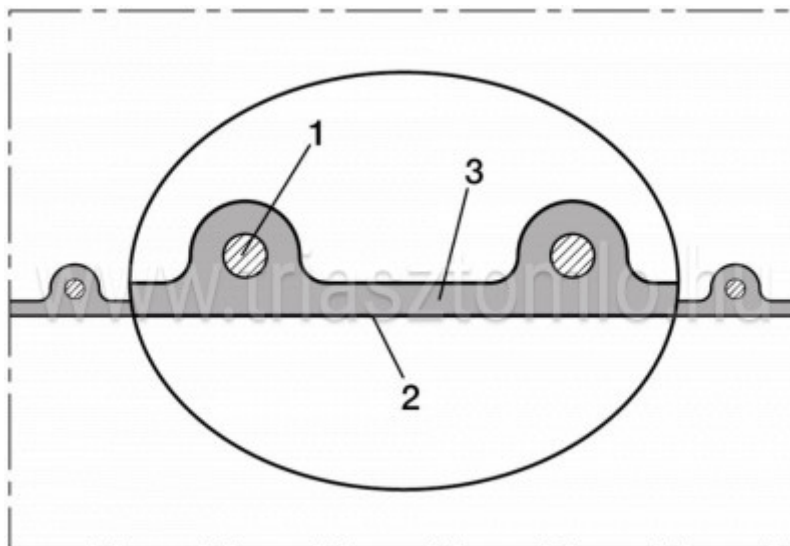
**További tekercsméret:** 5, 15, bizonyos átmérőkből 20 vagy 25 m is, akár készletről

Storage lots, splitting of the rolls are possible. Meantime, we hold the right of selling the stock in products.

Inside diameter (mm)	Outside diameter (mm)	Working Pressure at 20 C (bar)	Vacuum (bar)	Bending radius (mm)	Weigth (kg/m)	Article Nr.
13	20	5	-1	14	0,14	355-0013-0000
16	23	4,9	-1	15	0,16	355-0016-0000
18	25	4,4	-1	16	0,17	355-0018-0000
20	27	4,72	-1	17	0,23	355-0020-0000
22	29	4,33	-1	18	0,25	355-0022-0000
25	32	3,85	-1	20	0,28	355-0025-0000
30	40	4	-1	25	0,42	355-0030-0000
32	42	3,77	-1	26	0,44	355-0032-0000
35	45	3,47	-1	28	0,48	355-0035-0000
38	48	3,21	-1	29	0,52	355-0038-0000
40	50	3,06	-1	30	0,54	355-0040-0000
42	52	2,9	-0,91	31	0,56	355-0042-0000
45	55	2,75	-0,91	33	0,6	355-0045-0000
50/51	60	2,48	-0,85	35	0,66	355-0050-0000
55	65	2,27	-0,75	38	0,72	355-0055-0000
60	70	2,09	-0,68	40	0,78	355-0060-0000
63/65	75	1,93	-0,63	43	0,84	355-0065-0000
70	81	1,8	-0,54	62	0,98	355-0070-0000

Inside diameter (mm)	Outside diameter (mm)	Working Pressure at 20 C (bar)	Vacuum (bar)	Bending radius (mm)	Weigth (kg/m)	Article Nr.
75/76	86	1,68	-0,5	66	1,05	355-0075-0000
80	91	1,58	-0,47	69	1,11	355-0080-0000
89/90	101	1,41	-0,42	76	1,25	355-0090-0000
100/102	111	1,27	-0,39	83	1,49	355-0100-0000
110	121	1,16	-0,35	90	1,63	355-0110-0000
114	126	1,11	-0,34	94	1,68	355-0115-0000
120	131	1,07	-0,32	97	1,77	355-0120-0000
125/127	136	1,02	-0,31	101	1,84	355-0125-0000
130	141	0,98	-0,3	104	1,91	355-0130-0000
140	151	0,92	-0,28	111	2,03	355-0140-0000
150/152	161	0,8	-0,25	125	2,56	355-0150-0000
160	171	0,8	-0,25	125	2,56	355-0160-0000
170	181	0,76	-0,24	132	2,72	355-0170-0000
175	186	0,73	-0,23	136	2,79	355-0175-0000
180	191	0,71	-0,22	139	2,87	355-0180-0000
200/203	213	0,57	-0,13	156	3,12	355-0200-0000
225	238	0,57	-0,13	174	3,5	355-0225-0000
250	263	0,52	-0,12	191	3,88	355-0250-0000
254	267	0,51	-0,11	194	3,95	355-0254-0000
275	288	0,47	-0,11	209	4,26	355-0275-0000
280	293	0,46	-0,1	212	4,33	355-0280-0000
300	313	0,43	-0,09	226	5,16	355-0300-0000

Inside diameter (mm)	Outside diameter (mm)	Working Pressure at 20 C (bar)	Vacuum (bar)	Bending radius (mm)	Weight (kg/m)	Article Nr.
305	318	0,42	-0,09	230	5,25	355-0305-0000
315	328	0,41	-0,08	137	5,41	355-0315-0000
325	338	0,4	-0,08	244	5,58	355-0325-0000
350	363	0,37	-0,07	261	6	355-0350-0000
400	413	0,32	-0,07	296	8,02	355-0400-0000
450	463	0,29	-0,06	331	9	355-0450-0000
500	514	0,26	-0,05	367	10	355-0500-0000





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