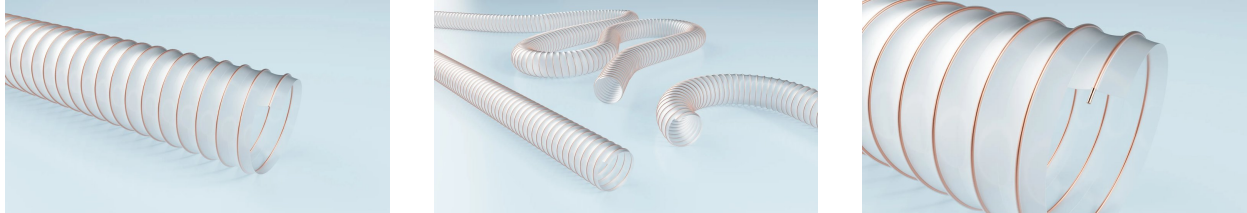


ATEX/ESD · II 3GD (interior zone 1/2 gases, zone 22 dust; exterior zone 1/21) — antistatic per NFPA 652

PROTAPE® PUR 301 AS (XLD)

Extra-light-duty antistatic PUR hose — flame-retardant, microbe-resistant, for Zone 22



Highly flexible polyurethane hose in extra-light-duty (XLD) construction with a 0.4 mm wall — the lightest in the PROTAPE family. Antistatic wall with surface resistance below $10^9 \Omega$, flame-retardant per UL94-HB and DIN 4102-B1, microbe-resistant. ATEX-approved for Zone 22 dust and Zone 1/2 gases. The classic light-duty hose for processes where handling comfort and low weight matter more than high mechanical wear resistance.

R: $<10^9 \Omega$

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

Media: Gas, Dust

Temp: -40 °C to 90 °C

✓ Cut to length

APPLICATIONS

- Wood dust extraction on parquet sanders and joinery shops
- Extraction of solvent and chemical vapours
- Spray mist extraction at painting and coating lines
- Asbestos sanitation and waste management with antistatic requirements
- Steam soaking in classified zones
- Air conditioning and ventilation in ATEX areas
- Oil mist extraction on machinery and film-blowing machines

Technical specifications

Material	Polyurethane (PUR), permanently antistatic
Colour	Transparent
Wall construction	Extra light duty (XLD), spiral-reinforced polyurethane, 0.4 mm wall thickness
Spiral material	spring steel wire, embedded in PUR wall
Conveying media	Gas, Dust
Temperature range	-40 °C – 90 °C
Short-term peak	125 °C
Electrical resistance	$<10^9 \Omega$
ATEX classification	II 3GD (interior zone 1/2 gases, zone 22 dust; exterior zone 1/21) — antistatic per NFPA 652 ATEX 2014/34/EU (1999/92/EC) + TRGS 727
Cut to length	Yes
Manufacturer SKU	3010000

Standards and compliance

ATEX 2014/34/EU, TRGS 727, din-26057-1, ul94-hb, din-4102-b1, REACH, RoHS

Dimensions and ordering

The hose is supplied in 45 standard sizes from inner Ø 25.1 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.
25.1	31.1	0.4	0.63	1.86	0.245	0.73	22	20	0.11	-	30100250000
38	44	0.4	0.63	1.86	0.245	0.73	27	20	0.17	10	30100380000
40	46	0.4	0.6	1.77	0.235	0.66	28	30	0.18	5, 10, 15	30100400000
45	51	0.4	0.535	1.58	0.21	0.52	31	30	0.2	10	30100450000
50.5	58.5	0.4	0.48	1.42	0.17	0.85	33	30	0.27	5, 10, 15	30100500000
50.5	58.5	0.4	0.48	1.42	0.17	0.85	33	30	0.27	-	30100510000
60	68	0.4	0.405	1.19	0.145	0.59	38	30	0.32	5, 10, 15	30100600000
64.5	72.5	0.4	0.37	1.09	0.13	0.51	40	30	0.34	-	30100630000
64.5	72.5	0.4	0.37	1.09	0.13	0.51	40	30	0.34	10, 15	30100650000
70	78	0.4	0.345	1.02	0.125	0.44	43	30	0.37	10	30100700000
75.6	83.6	0.4	0.325	0.95	0.115	0.39	45	30	0.41	5, 10, 15	30100750000
75.6	83.6	0.4	0.325	0.95	0.115	0.39	45	30	0.41	-	30100760000
80	88	0.4	0.305	0.89	0.11	0.34	48	30	0.42	5, 10, 15	30100800000
90	98	0.4	0.27	0.79	0.095	0.27	53	30	0.47	10, 15	30100900000
101.5	109.5	0.4	0.245	0.71	0.055	0.3	58	30	0.49	5, 10, 15	30101000000
101.5	109.5	0.4	0.245	0.71	0.055	0.3	58	30	0.49	-	30101020000
110	118	0.4	0.22	0.65	0.05	0.25	63	30	0.53	10	30101100000
115	123	0.4	0.21	0.62	0.05	0.23	66	30	0.55	-	30101150000
120	128	0.4	0.205	0.59	0.045	0.21	68	30	0.57	5, 10, 15	30101200000
126.5	134.5	0.4	0.195	0.57	0.045	0.19	71	30	0.6	5, 10, 15	30101250000
126.5	134.5	0.4	0.195	0.57	0.045	0.19	71	30	0.6	-	30101270000
130	138	0.4	0.185	0.55	0.04	0.18	73	30	0.62	10	30101300000
140	148	0.4	0.175	0.51	0.04	0.15	78	30	0.66	5, 10, 15	30101400000
151.5	159.5	0.4	0.16	0.48	0.035	0.13	83	25	0.72	5, 10, 15	30101500000
151.5	159.5	0.4	0.16	0.48	0.035	0.13	83	25	0.72	-	30101520000
160	168	0.4	0.15	0.45	0.035	0.12	88	25	0.76	5, 10, 15	30101600000
165	173	0.4	0.15	0.43	0.035	0.11	91	25	0.78	-	30101650000
170	178	0.4	0.135	0.4	0.03	0.09	94	25	0.8	-	30101700000
180	188	0.4	0.135	0.4	0.03	0.09	98	25	0.85	5, 10, 15	30101800000
202.3	211.3	0.4	0.12	0.36	0.025	0.11	108	20	1.03	5, 10, 15	30102000000
202.3	211.3	0.4	0.12	0.36	0.025	0.11	108	20	1.03	-	30102030000
220	229	0.4	0.11	0.32	0.02	0.08	120	20	1.14	-	30102200000

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.
225	234	0.4	0.11	0.32	0.02	0.08	122	20	1.17	10	30102250000
250	259	0.4	0.1	0.29	0.02	0.06	136	15	1.29	5, 10	30102500000
254	263	0.4	0.095	0.28	0.02	0.06	144	15	1.31	10	30102540000
275	284	0.4	0.085	0.26	0.02	0.05	147	15	1.43	-	30102750000
280	289	0.4	0.085	0.26	0.02	0.05	149	15	1.45	10	30102800000
300	310	0.4	0.08	0.24	0.015	0.04	159	10	1.72	5, 10	30103000000
305	315	0.4	0.08	0.23	0.015	0.04	163	10	1.75	10	30103050000
315	325	0.4	0.075	0.23	0.015	0.04	168	10	1.81	10	30103150000
350	360	0.4	0.07	0.2	0.015	0.03	185	10	2.01	10	30103500000
356	366	0.4	0.07	0.2	0.015	0.03	190	10	2.04	-	30103560000
400	410	0.4	0.06	0.18	0.015	0.02	210	10	2.29	10	30104000000
450	460	0.4	0.05	0.14	0.01	0.01	235	10	2.57	-	30104500000
500	510	0.4	0.05	0.14	0.01	0.01	260	10	2.85	10	30105000000

Fields without a value (—) are not specified in the manufacturer's factsheet. Overpressure and underpressure values are recommended operating limits; the product can be subjected to higher loads on request. Bend radius is measured along the inside of the hose bend.

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