

FLAME-RETARDANT

PROTAPE® PVC 310 (LD)

Flame-retardant PVC hose for solvent vapours and X-ray cable protection



Highly flexible PVC hose for transport of gases, dusts, powders and fibres. UL94-HB flame-retardant. Designed for extraction in galvanisation and chemical industry as well as for cable protection in X-ray technology. 3:1 compressible, less flexible than the PROTAPE® PVC 371 range but covers broader media types (gas + dust + powder + fibre).

Media: Gas, Dust

Temp: -10 °C to 80 °C

✓ Cut to length

APPLICATIONS

- Waste gas exhaust
- Extraction arms
- Extraction units
- Solvent-containing vapours
- Dust extraction
- General extraction
- Cable protection in X-ray equipment

Technical specifications

Material	PVC wall, fabric-reinforced, with spring steel wire
Colour	Grey
Wall construction	Highly flexible PVC, 3:1 compressible
Spiral material	spring steel wire
Conveying media	Gas, Dust
Temperature range	-10 °C – 80 °C
Short-term peak	80 °C
Cut to length	Yes
Manufacturer SKU	3100000

Standards and compliance

ul94-hb, RoHS

Dimensions and ordering

The hose is supplied in 27 standard sizes from inner Ø 30.0 mm to 300.0 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]	Vacuum axial [bar]	Bend rad. [mm]	Max len. [m]	Weight [kg/m]	Roll [m]	Article no.
30	35	0.5	0.93	0.2	22	15	0.23	-	31000300000
32	37	0.5	0.875	0.2	23	15	0.25	-	31000320000
38	43	0.5	0.74	0.185	26	15	0.29	-	31000380000
40	45	0.5	0.705	0.18	27	20	0.31	10	31000400000
50.5	56.5	0.5	0.41	0.155	33	20	0.3	5, 10	31000500000
55	61	0.5	0.37	0.14	36	20	0.33	-	31000550000
60	68	0.5	0.34	0.12	38	20	0.36	10	31000600000
64.5	72.5	0.5	0.315	0.105	41	20	0.39	10	31000650000
70	78	0.5	0.295	0.09	43	20	0.42	10	31000700000
75.6	83.6	0.5	0.275	0.085	46	20	0.45	10	31000750000
80	88	0.5	0.255	0.075	48	20	0.47	10	31000800000
90	98	0.5	0.23	0.065	53	20	0.53	10	31000900000
101.5	109.5	0.5	0.205	0.05	58	25	0.58	5, 10	31001000000
110	118	0.5	0.185	0.045	63	25	0.62	10	31001100000
112	-	0.5	0.18	0.045	66	25	0.63	-	31001120000
115	123	0.5	0.18	0.045	66	25	0.65	-	31001150000
120	128	0.5	0.17	0.045	68	25	0.68	10	31001200000
126.5	134.5	0.5	0.165	0.035	71	25	0.71	5, 10	31001250000
130	138	0.5	0.16	0.035	73	25	0.73	10	31001300000
140	148	0.5	0.145	0.035	78	25	0.79	10	31001400000
151.4	159.5	0.5	0.135	0.035	83	20	0.85	10	31001500000
160	168	0.5	0.13	0.03	88	20	0.9	5, 10	31001600000
180	188	0.5	0.115	0.025	98	20	1	10	31001800000
202.3	210.3	0.5	0.105	0.025	108	15	1.11	5, 10	31002000000
225	233	0.5	0.09	0.015	121	15	1.25	-	31002250000
250	258	0.5	0.085	0.01	133	15	1.39	10	31002500000
300	309	0.5	0.07	0.01	159	10	1.95	10	31003000000

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.

Other Particulair microsities

We build specialised microsities for critical industries. Each site provides in-depth product data, documentation and expert guidance for the domain it covers.

particulair.eu/ex-vac	ATEX and ACD vacuum cleaners for explosion hazard zones
particulair.eu/vace	Nozzles and accessories for critical environments
particulair.eu/life-science	Vacuums for pharma and cleanroom
particulair.eu/hardo	Explosion-protected electrical Ex-equipment

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

Product page: particulair.eu/flexcore/en/brandhaemmende/protape-pvc-310-ld/

SMARTER THINKING • BETTER WORKING

This datasheet is generated automatically from Particulair product data. All specifications are taken from the manufacturer's factsheet and are subject to change without notice. Prices and availability provided on request.