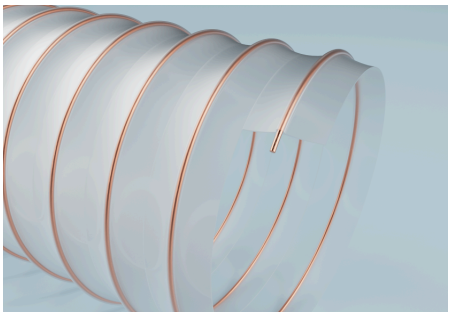
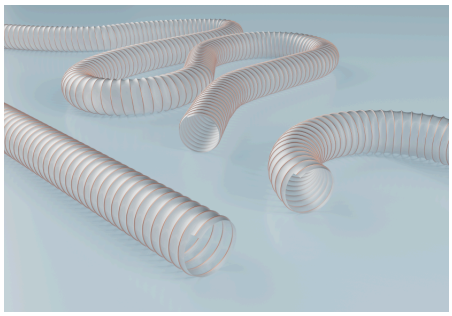
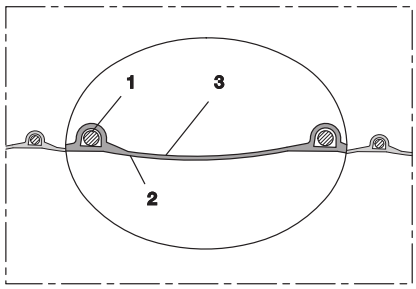
PROTAPE© PUR 301 AS (XLD)

SKU: 3010000

Highly flexible, abrasion-resistant multi-purpose hose, flame-retardant and microbe resistant, for a wide range of applications in industry and explosion hazard areas.







Technical specifications

Abrasion resistance

- Highly abrasion-resistant

Compressibility

- highly flexible + compressible 3:1

Medium

- Gas, Dust

Areas of application

Applications

- Waste gas exhaust, Extraction arms, Extraction units, Asbestos sanitation, Extraction of chemical vapours, Dedusting systems, Filter systems, Vapour return hose, Wood dust extraction, Parquet flooring grinding machines, Clean room ventilation, Explosion hazard areas, Waste management technology, Paints and coatings, Conveying of abrasive media, Air conditioning systems, Solvent-containing vapors, Ventilation, Ventilation systems, Injection moulding machines, Extraction

Industries

- Chemical industry, Paper industry, Textile industry, Agricultural industry, Printing industry, Energy industry, Wood industry, Mechanical engineering, Cleaning industry, Shipbuilding, Process engineering, Automotive industry, Vehicle construction, Environmental and cleaning technology, Extraction and filtration technology industry, Welding industry, Surface technology, Glass, ceramics and refractory industry, Metal industry

Pressure and temperature

Temperature normal range (min/max)

- -40 °C – 90 °C

Short-term temperature peak

- 125 °C

Electrical properties

Electrical contact resistance

- Antistatic $<10^9$ Ω

Material and color

Color

- Transparent

Material

- Premium polyester-polyurethane (Pre-PUR®)

Material spiral

- Spring steel

Durability and standards

Durability inner tube core

- Oil, Gasoline and chemical resistance

Standards

- Permanently antistatic wall: according to ISO 8031, volume and surface resistance < 10^9 Ω (according to NFPA 652 10^8–10^9 Ω)
- REACH (EG 1907/2006)
- according to DIN 26057 Type 1
- conforms to the safety regulations of the German Wood Trade Association
- flame-retardant according to: UL94-HB
- flame-retardant according to: DIN 4102-B1
- in accordance with ATEX 2014/34/EU (1999/92/EC) and German TRGS 727: aspiration of combustible dust (zone 22 inside), for conveying of non-flammable liquids, for use in zone 1 and 2 (gases)
- RoHS

Durability outer cover

- abrasion-resistant

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Inner diameter [mm]	Outer diameter [mm]	Working pressure according to DIN 26057 (10% elongation) [bar]	Working pressure at 50% elongation [bar]	Vacuum DIN 26057 [bar]	Vacuum axially fixed [bar]	Total wall thickness [mm]	Bending radius [mm]	Max. production length [m]	Weight [kg]	Spiral pitch [mm]	Article Number
25.1	31.1	0.63	1.86	0.245	0.73	0.4	22	20	0.11	14	30100250000
38	44	0.63	1.86	0.245	0.73	0.4	27	20	0.17	14	30100380000
40	46	0.6	1.77	0.235	0.66	0.4	28	30	0.18	14	30100400000
45	51	0.535	1.58	0.21	0.52	0.4	31	30	0.2	14	30100450000
50.5	58.5	0.48	1.42	0.17	0.85	0.4	33	30	0.27	16	30100500000
50.5	58.5	0.48	1.42	0.17	0.85	0.4	33	30	0.27	16	30100510000
60	68	0.405	1.19	0.145	0.59	0.4	38	30	0.32	16	30100600000
64.5	72.5	0.37	1.09	0.13	0.51	0.4	40	30	0.34	16	30100630000
64.5	72.5	0.37	1.09	0.13	0.51	0.4	40	30	0.34	16	30100650000
70	78	0.345	1.02	0.125	0.44	0.4	43	30	0.37	16	30100700000
75.6	83.6	0.325	0.95	0.115	0.39	0.4	45	30	0.41	16	30100750000
75.6	83.6	0.325	0.95	0.115	0.39	0.4	45	30	0.41	16	30100760000
80	88	0.305	0.89	0.11	0.34	0.4	48	30	0.42	16	30100800000
90	98	0.27	0.79	0.095	0.27	0.4	53	30	0.47	16	30100900000
101.5	109.5	0.245	0.71	0.055	0.3	0.4	58	30	0.49	23	30101000000
101.5	109.5	0.245	0.71	0.055	0.3	0.4	58	30	0.49	23	30101020000
110	118	0.22	0.65	0.05	0.25	0.4	63	30	0.53	23	30101100000
115	123	0.21	0.62	0.05	0.23	0.4	66	30	0.55	23	30101150000
120	128	0.205	0.59	0.045	0.21	0.4	68	30	0.57	23	30101200000
126.5	134.5	0.195	0.57	0.045	0.19	0.4	71	30	0.6	23	30101250000
126.5	134.5	0.195	0.57	0.045	0.19	0.4	71	30	0.6	23	30101270000
130	138	0.185	0.55	0.04	0.18	0.4	73	30	0.62	23	30101300000
140	148	0.175	0.51	0.04	0.15	0.4	78	30	0.66	23	30101400000
151.5	159.5	0.16	0.48	0.035	0.13	0.4	83	25	0.72	23	30101500000
151.5	159.5	0.16	0.48	0.035	0.13	0.4	83	25	0.72	23	30101520000
160	168	0.15	0.45	0.035	0.12	0.4	88	25	0.76	23	30101600000
165	173	0.15	0.43	0.035	0.11	0.4	91	25	0.78	23	30101650000
170	178	0.135	0.4	0.03	0.09	0.4	94	25	0.8	23	30101700000
180	188	0.135	0.4	0.03	0.09	0.4	98	25	0.85	23	30101800000
202.3	211.3	0.12	0.36	0.025	0.11	0.4	108	20	1.03	26	30102000000
202.3	211.3	0.12	0.36	0.025	0.11	0.4	108	20	1.03	26	30102030000
220	229	0.11	0.32	0.02	0.08	0.4	120	20	1.14	26	30102200000
225	234	0.11	0.32	0.02	0.08	0.4	122	20	1.17	26	30102250000
250	259	0.1	0.29	0.02	0.06	0.4	136	15	1.29	26	30102500000
254	263	0.095	0.28	0.02	0.06	0.4	144	15	1.31	26	30102540000
275	284	0.085	0.26	0.02	0.05	0.4	147	15	1.43	26	30102750000
280	289	0.085	0.26	0.02	0.05	0.4	149	15	1.45	26	30102800000
300	310	0.08	0.24	0.015	0.04	0.4	159	10	1.72	26	30103000000
305	315	0.08	0.23	0.015	0.04	0.4	163	10	1.75	26	30103050000

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315	325	0.075	0.23	0.015	0.04	0.4	168	10	1.81	26	30103150000
350	360	0.07	0.2	0.015	0.03	0.4	185	10	2.01	26	30103500000
356	366	0.07	0.2	0.015	0.03	0.4	190	10	2.04	26	30103560000
400	410	0.06	0.18	0.015	0.02	0.4	210	10	2.29	26	30104000000
450	460	0.05	0.14	0.01	0.01	0.4	235	10	2.57	26	30104500000
500	510	0.05	0.14	0.01	0.01	0.4	260	10	2.85	26	30105000000

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