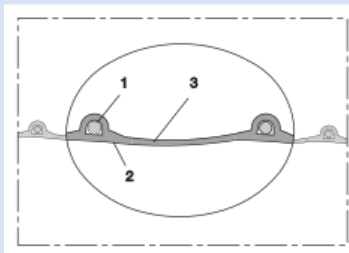
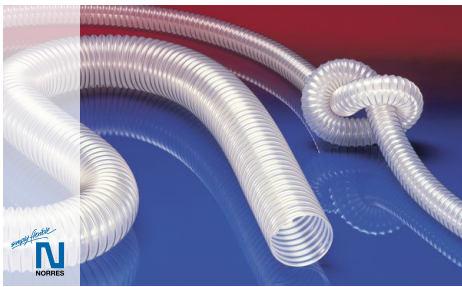


PROTAPE® PUR 330 AS (LD)



Antistatic polyurethane hose, light weight, microbe resistant + flame-resistant

Applications

- flexible hose/ ducting for gases and for abrasive dust, powder, fibers
- printed circuit board drilling machines (PCB)
- extraction unit, dust collection systems, filter system, oil mist extraction
- extraction arm
- chemical industry: chemical vapors, vapor return hose at loading arm, paint steam, spray mist extraction
- explosion hazard area
- animal stall, animal shed: barn ventilation
- clean room ventilation, semiconductor production machine
- surface preparation: shot blasting/ sand blasting recovery (blasting chamber), ship yard, stripping machine, flooring preparation machine, grinding machine
- heating hose: exterior hose as protection hose

Properties

- lightweight and reinforced
- highly flexible + compressible 3:1
- abrasion-resistant
- microbe resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- flame-retardant according to: DIN 4102-B1
- flame-retardant according to: UL94-HB
- Permanently antistatic wall according to ISO 8031 electrical and surface resistance <math>< 10^9 \Omega</math> (according to NFPA 652 $10^8\text{-}10^9 \Omega$)
- 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)
- conforms to the safety regulations of the German Wood Trade Association
- conforms to RoHS guideline

- REACH according to --> Technology / Technical Information / REACH

Temperature range

- 40 °F to 195 °F
- short time to 255 °F

Design

- PROTAPE® tape hose
- spring steel wire integrated in wall
- wall: permanently antistatic premium ester-polyurethane (Pre-PUR®)
- wall thickness 0.025 in approx.

Delivery variants

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

I.D. (in / mm)	outer Ø (in)	Pressure DIN 26057 (50% Elongation) (psi)	Vacuum DIN 26057 (axially fixed) (inHG)	Bending radius (in)	Weight (lb/ft)	Minimum Quantity (ft)	Dimensions in Stock (ft)	Production lengths (ft)	Order No.
standard									
1 / 25	1.181	23.279 (60.627)	15.946 (29.530)	0.787	0.101	-	25 50	-	330-0025-1002
- / 30	1.378	19.580 (50.764)	13.289 (29.530)	0.866	0.121	-	-	25 50	330-0030-1002
1,25 / 32	1.457	18.348 (47.718)	12.403 (29.530)	0.906	0.128	-	-	25 50	330-0032-1002
1,5 / 38	1.693	15.592 (40.321)	10.483 (22.738)	1.024	0.148	-	25 50	-	330-0038-1002
- / 40	1.890	14.794 (38.291)	9.893 (20.376)	1.063	0.155	-	-	25 50	330-0040-1002
2 / 50-51	2.323	11.893 (30.748)	6.497 (25.691)	1.299	0.249	-	25 50	-	330-0050-1002
2,36 / 60	2.677	9.935 (25.672)	5.315 (18.013)	1.496	0.289	-	-	25 50	330-0060-1002
2,5 / 63-65	2.874	9.210 (23.787)	4.872 (15.356)	1.614	0.309	-	25 50	-	330-0065-1002
- / 70	3.071	8.557 (22.046)	4.577 (13.289)	1.693	0.336	-	-	25 50	330-0070-1002
3 / 75-76	3.268	7.977 (20.596)	4.282 (11.812)	1.811	0.356	-	25 50	-	330-0075-1002
- / 80	3.465	7.470 (19.290)	3.987 (10.336)	1.890	0.383	-	-	25 50	330-0080-1002
3,5 / 89-90	3.858	6.672 (17.260)	3.544 (8.268)	2.087	0.423	-	25 50	-	330-0090-1002
4 / 100-102	4.331	6.019 (15.519)	2.362 (9.154)	2.283	0.450	-	25 50	-	330-0100-1002
- / 110	4.646	5.439 (14.069)	2.067 (7.678)	2.480	0.491	-	-	25 50	330-0110-1002
4,5 / 114-115	4.843	5.221 (13.489)	2.067 (7.087)	2.598	0.511	-	25 50	-	330-0115-1002
4,72 / 120	5.039	5.004 (12.909)	1.919 (6.497)	2.677	0.531	-	-	25 50	330-0120-1002
5 / 125-127	5.315	4.859 (12.473)	1.919 (5.906)	2.795	0.558	-	25 50	-	330-0125-1002

Positive and negative pressure ratings are the recommended maximum operating values. Products can be manufactured to meet higher operating values upon request. The bend radius is calculated from the center of the hose in an arched position. Additional information at www.norres.com/us/technology/. NORRES reserves the right to modify technical data at any time. Technical data based on tests at 68 °F and are approx. values. Proper use and maintenance of NORRES hoses is the sole responsibility of purchaser and ultimate user of the product. The individual conditions, applications and the number of variables make firm recommendations technically impossible. This information is intended as a general guide only.

PROTAPE® PUR 330 AS (LD)

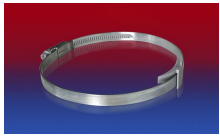
I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Minimum Quantity	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	(ft)	
- / 130	5.433	4.641 (11.893)	1.772 (5.611)	2.874	0.578	-	-	25 50	330-0130-1002
5,5 / 140	5.827	4.279 (11.023)	1.624 (4.725)	3.071	0.618	-	25 50	-	330-0140-1002
6 / 150-152	6.299	3.989 (10.298)	1.624 (4.134)	3.268	0.665	-	25 50	-	330-0150-1002
6,3 / 160	6.614	3.771 (9.718)	1.477 (3.544)	3.465	0.706	-	-	25 50	330-0160-1002
- / 170	7.008	3.553 (9.138)	1.329 (3.248)	3.661	0.746	-	25 50	-	330-0170-1002
- / 175	7.205	3.481 (8.847)	1.329 (2.953)	3.780	0.766	-	-	25 50	330-0175-1002
7 / 178-180	7.402	3.336 (8.557)	1.329 (2.953)	3.858	0.786	-	25 50	-	330-0180-1002
8 / 200-203	8.268	3.046 (7.832)	0.886 (3.248)	4.252	0.894	-	25 50	-	330-0200-1002
- / 225	9.173	2.683 (6.962)	0.738 (2.658)	4.764	0.995	-	-	25	330-0225-1002
- / 250	10.157	2.393 (6.237)	0.738 (2.067)	5.236	1.102	-	-	25	330-0250-1002
10 / 254	10.315	2.393 (6.092)	0.738 (1.772)	5.315	1.116	-	25	-	330-0254-1002
11 / 280	11.339	2.176 (5.512)	0.591 (1.477)	5.827	1.230	-	-	25	330-0280-1002
- / 300	12.165	2.031 (5.221)	0.591 (1.477)	6.260	1.438	-	-	25	330-0300-1002
12 / 305	12.362	1.958 (5.076)	0.591 (1.477)	6.378	1.458	-	25	-	330-0305-1002
- / 315	12.756	1.958 (4.931)	0.591 (1.477)	6.575	1.505	-	-	25	330-0315-1002
- / 350	14.134	1.740 (4.496)	0.591 (1.181)	7.244	1.673	-	-	25	330-0350-1002
14 / 356	14.370	1.668 (4.351)	0.443 (0.886)	7.362	1.700	-	25	-	330-0356-1002
- / 400	16.102	1.523 (3.916)	0.443 (0.591)	8.228	1.909	-	-	25	330-0400-1002
neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting									
1,5 / 38	1.693	15.592 (40.321)	10.483 (22.738)	1.024	0.148	-	-	25	330-0038-0007
- / 40	1.890	14.794 (38.291)	9.893 (20.376)	1.063	0.155	-	-	25	330-0040-0007
2 / 50-51	2.323	11.893 (30.748)	6.497 (25.691)	1.299	0.249	-	-	25	330-0050-0007
2,36 / 60	2.677	9.935 (25.672)	5.315 (18.013)	1.496	0.289	-	-	25	330-0060-0007
2,5 / 63-65	2.874	9.210 (23.787)	4.872 (15.356)	1.614	0.309	-	-	25	330-0065-0007
- / 70	3.071	8.557 (22.046)	4.577 (13.289)	1.693	0.336	-	-	25	330-0070-0007
3 / 75-76	3.268	7.977 (20.596)	4.282 (11.812)	1.811	0.356	-	-	25	330-0075-0007
- / 80	3.465	7.470 (19.290)	3.987 (10.336)	1.890	0.383	-	-	25	330-0080-0007
4 / 100-102	4.331	6.019 (15.519)	2.362 (9.154)	2.283	0.450	-	-	25	330-0100-0007
4,72 / 120	5.039	5.004 (12.909)	1.919 (6.497)	2.677	0.531	-	-	25	330-0120-0007
5 / 125-127	5.315	4.859 (12.473)	1.919 (5.906)	2.795	0.558	-	-	25	330-0125-0007
5,5 / 140	5.827	4.279 (11.023)	1.624 (4.725)	3.071	0.618	-	-	25	330-0140-0007
6 / 150-152	6.299	3.989 (10.298)	1.624 (4.134)	3.268	0.665	-	-	25	330-0150-0007
6,3 / 160	6.614	3.771 (9.718)	1.477 (3.544)	3.465	0.706	-	-	25	330-0160-0007
7 / 178-180	7.402	3.336 (8.557)	1.329 (2.953)	3.858	0.786	-	-	25	330-0180-0007
8 / 200-203	8.268	3.046 (7.832)	0.886 (3.248)	4.252	0.894	-	-	25	330-0200-0007
- / 225	9.173	2.683 (6.962)	0.738 (2.658)	4.764	0.995	-	-	25	330-0225-0007
- / 250	10.157	2.393 (6.237)	0.738 (2.067)	5.236	1.102	-	-	25	330-0250-0007
- / 300	12.165	2.031 (5.221)	0.591 (1.477)	6.260	1.438	-	-	25	330-0300-0007
more compressed packaging approx. 4:1, neutral imprint, no cutting, not flame-resistant acc. to DIN 4102-B1, not acc. to TRGS 727 and ATEX 2014/34/EU (1999/92/EC)
doesn't fulfil the safety regulations of the German Wood Trade Association									
- / 40	1.850	14.794 (38.291)	9.893 (20.376)	1.063	0.134	150	-	-	330-0040-2030
2 / 50-51	2.283	11.893 (30.748)	6.497 (25.691)	1.299	0.175	150	-	-	330-0050-2030
2,5 / 63-65	2.874	9.210 (23.787)	4.872 (15.356)	1.614	0.222	150	-	-	330-0065-2030
- / 70	3.071	8.557 (22.046)	4.577 (13.289)	1.693	0.262	150	-	-	330-0070-2030
3 / 75-76	3.268	7.977 (20.596)	4.282 (11.812)	1.811	0.255	100	-	-	330-0075-2030
- / 80	3.465	7.470 (19.290)	3.987 (10.336)	1.890	0.276	100	-	-	330-0080-2030
4 / 100-102	4.252	6.019 (15.519)	2.362 (9.154)	2.283	0.323	100	-	-	330-0100-2030
4,72 / 120	5.039	5.004 (12.909)	1.919 (6.497)	2.677	0.376	100	-	-	330-0120-2030
5 / 125-127	5.236	4.859 (12.473)	1.919 (5.906)	2.795	0.397	100	-	-	330-0125-2030
5,5 / 140	5.827	4.279 (11.023)	1.624 (4.725)	3.071	0.437	80	-	-	330-0140-2030
6 / 150-152	6.299	3.989 (10.298)	1.624 (4.134)	3.268	0.470	80	-	-	330-0150-2030

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I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Minimum Quantity	Dimensions in Stock	Production lengths	Order No.
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	(ft)	
6,3 / 160	6.614	3.771 (9.718)	1.477 (3.544)	3.465	0.497	80	-	-	330-0160-2030
7 / 178-180	7.402	3.336 (8.557)	1.329 (2.953)	3.858	0.558	80	-	-	330-0180-2030
8 / 200-203	8.268	3.046 (7.832)	0.886 (3.248)	4.252	0.625	60	-	-	330-0200-2030
- / 250	10.079	2.393 (6.237)	0.738 (2.067)	5.236	0.766	50	-	-	330-0250-2030
- / 300	12.165	2.031 (5.221)	0.591 (1.477)	6.260	0.988	40	-	-	330-0300-2030

Accessories



CLAMP 210 BRIDGE
CLAMP



CLAMP 213



CONNECT 223



CONNECT 270-271



CLAMP 212



CONNECT 228



CLAMP 217

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