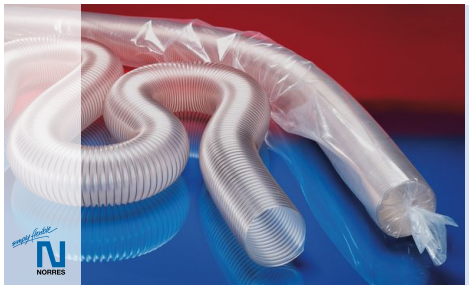
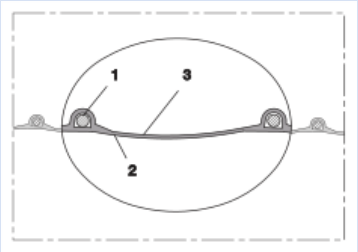
PROTAPE® PUR 301 AS (XLD)





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

Applications
- flexible hose/ ducting for gases and for abrasive dust, powder, fibers
- 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
- bus, utility vehicle, caravan/ trailer, mobile home/ camper/ RV, boat, ship/ vessel/ marine, yacht: ventilation, heating
- clean room ventilation, semiconductor production machine
- bellows, compensators

Properties
- super-light weight
- 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: UL94-HB
- flame-retardant according to: DIN 4102-B1
- Permanently antistatic wall according to ISO 8031 electrical and surface resistance < 10^9 Ω (according to NFPA 652 10^8-10^9 Ω)
- 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
- according to DIN 26057 Type 1
- 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 0.015 in approx.

Delivery variants
- further diameters and lengths available on request
- transparent (standard)
- special colors: partially colored, completely colored
- customer-specific branding
- ID 1,5"/ 38mm 12/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID 12"/315mm 20"/500mm not compressed

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									
1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	-	**25 50**	-	301-0038-0000
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	**-**	25 50	301-0040-0000
1,75 / 44-45	2.087	7.760 (22.916)	6.201 (15.356)	1.220	0.175	-	**-**	25 50	301-0045-0000
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	**25 50**	-	301-0050-0000
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	**-**	25 50	301-0060-0000
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	**25 50**	-	301-0065-0000
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	**-**	25 50	301-0070-0000
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	**25 50**	-	301-0075-0000
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	**-**	25 50	301-0080-0000
3,5 / 89-90	3.858	3.916 (11.458)	2.805 (7.973)	2.087	0.329	-	**25 50**	-	301-0090-0000
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	**25 50**	-	301-0100-0000
- / 110	4.646	3.191 (9.428)	1.477 (7.383)	2.480	0.376	-	**-**	25 50	301-0110-0000
4,5 / 114-115	4.843	3.046 (8.992)	1.477 (6.792)	2.598	0.390	-	**25 50**	-	301-0115-0000
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	**-**	25 50	301-0120-0000
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	**25 50**	-	301-0125-0000
- / 130	5.433	2.683 (7.977)	1.181 (5.315)	2.874	0.444	-	**-**	25 50	301-0130-0000
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	**25 50**	-	301-0140-0000

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 301 AS (XLD)

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.
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	**25 50**	-	301-0150-0000
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	-	25 50	301-0160-0000
6,5 / 165	6.811	2.176 (6.237)	1.034 (3.248)	3.583	0.558	-	-	25 50	301-0165-0000
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	**25 50**	-	301-0180-0000
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	**25 50**	-	301-0200-0000
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	-	25	301-0225-0000
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	-	25	301-0250-0000
10 / 254	10.354	1.378 (4.061)	0.591 (1.772)	5.669	0.874	-	**25**	-	301-0254-0000
11 / 280	11.378	1.233 (3.771)	0.591 (1.477)	5.866	0.961	-	-	25	301-0280-0000
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	-	25	301-0300-0000
12 / 305	12.402	1.160 (3.336)	0.443 (1.181)	6.417	1.163	-	**25**	-	301-0305-0000
- / 315	12.795	1.088 (3.336)	0.443 (1.181)	6.614	1.203	-	-	25	301-0315-0000
- / 350	14.173	1.015 (2.901)	0.443 (0.886)	7.283	1.344	-	-	25	301-0350-0000
14 / 356	14.409	1.015 (2.901)	0.443 (0.886)	7.480	1.411	-	**25**	-	301-0356-0000
- / 400	16.142	0.870 (2.611)	0.443 (0.591)	8.268	1.519	-	-	25	301-0400-0000
- / 500	20.079	0.725 (2.031)	0.295 (0.295)	10.236	1.868	-	-	25	301-0500-0000
neutral imprint: <ID> antistatic + microbe resistant <neutral batch no.> / no cutting									
1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	-	-	25	301-0038-0007
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	-	25	301-0040-0007
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	-	25	301-0050-0007
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	-	25	301-0060-0007
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	-	25	301-0065-0007
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	-	25	301-0070-0007
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	-	25	301-0075-0007
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	-	25	301-0080-0007
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	-	25	301-0100-0007
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	-	25	301-0120-0007
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	-	25	301-0125-0007
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	-	25	301-0140-0007
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	-	25	301-0150-0007
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	-	25	301-0160-0007
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	-	25	301-0180-0007
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	-	25	301-0200-0007
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	-	25	301-0225-0007
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	-	25	301-0250-0007
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	-	25	301-0300-0007
more compressed packaging approx. 5:1, 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	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	450	-	-	301-0040-2030
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	450	-	-	301-0050-2030
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	450	-	-	301-0060-2030
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	450	-	-	301-0065-2030
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	300	-	-	301-0075-2030
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	300	-	-	301-0080-2030
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	300	-	-	301-0100-2030
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	300	-	-	301-0120-2030
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	300	-	-	301-0125-2030
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	240	-	-	301-0140-2030
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	240	-	-	301-0150-2030
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	240	-	-	301-0160-2030
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	240	-	-	301-0180-2030

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(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)	(ft)	
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	180	-	-	301-0200-2030
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	150	-	-	301-0250-2030
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	120	-	-	301-0300-2030

Accessories



CLAMP 210 BRIDGE CLAMP



CONNECT 270-271



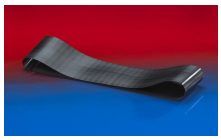
CLAMP 217



CONNECT 223



CLAMP 212



CONNECT 228



CLAMP 213

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