

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

Application

- 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 $<10^9 \Omega$ (according to NFPA 652 $10^8-10^9 \Omega$)
- 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
- 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

- patented 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 1/25mm 12/305mm compressed packed in poly bag (low transportation cost / risk, minimum storage size), ID 12"/315mm 20"/500mm not compressed

I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Minimum Quantity	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)		(ft)

more compressed packaging approx. 5:1, neutral imprint, no cutting

1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	150	-	301-0038-2030	-
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	150	-	301-0040-2030	-
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	150	-	301-0050-2030	-
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	150	-	301-0060-2030	-
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	150	-	301-0065-2030	-
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	150	-	301-0070-2030	-
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	100	-	301-0075-2030	-
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	100	-	301-0080-2030	-
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	100	-	301-0100-2030	-
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	100	-	301-0120-2030	-
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	100	-	301-0125-2030	-
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	80	-	301-0140-2030	-
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	80	-	301-0150-2030	-
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	80	-	301-0160-2030	-
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	80	-	301-0180-2030	-
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	60	-	301-0200-2030	-
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	60	-	301-0225-2030	-

Overpressure and underpressure are recommended threshold operating values, products can be subjected to higher loads upon request. The bending radius is measured through the inside of the hose arch. The right to make technical modifications is reserved. All values determined at 68 °F and are approx. data. Additional information at www.norres.com/us/technology/



I.D.	outer Ø	Pressure DIN 26057 (50% Elongation)	Vacuum DIN 26057 (axially fixed)	Bending radius	Weight	Minimum Quantity	Dimensions in Stock	Order No.	Production lengths
(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)		(ft)
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	50	-	301-0250-2030	-
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	40	-	301-0300-2030	-

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	-	10	301-0038-0007	25
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	10	301-0040-0007	25
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	10	301-0050-0007	25
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	10	301-0060-0007	25
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	10	301-0065-0007	25
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	10	301-0070-0007	25
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	10	301-0075-0007	25
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	10	301-0080-0007	25
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	10	301-0100-0007	25
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	10	301-0120-0007	25
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	10	301-0125-0007	25
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	10	301-0140-0007	25
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	10	301-0150-0007	25
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	10	301-0160-0007	25
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	10	301-0180-0007	25
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	10	301-0200-0007	25
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	10	301-0225-0007	25
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	10	301-0250-0007	25
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	10	301-0300-0007	25

standard

1,5 / 38	1.811	9.138 (26.977)	7.235 (21.557)	1.063	0.148	-	5 10 15	301-0038-0000	-
- / 40	1.890	8.702 (25.672)	6.940 (19.490)	1.102	0.155	-	5 10 15	301-0040-0000	25 50
1,75 / 44-45	2.087	7.760 (22.916)	6.201 (15.356)	1.220	0.175	-	5 10 15	301-0045-0000	25 50
2 / 50-51	2.283	6.962 (20.596)	5.020 (25.101)	1.299	0.188	-	5 10 15	301-0050-0000	-
2,36 / 60	2.677	5.874 (17.260)	4.282 (17.423)	1.496	0.228	-	5 10 15	301-0060-0000	25 50
2,5 / 63-65	2.874	5.366 (15.809)	3.839 (15.060)	1.575	0.242	-	5 10 15	301-0065-0000	-
- / 70	3.071	5.004 (14.794)	3.691 (12.993)	1.693	0.255	-	5 10 15	301-0070-0000	25 50
3 / 75-76	3.268	4.714 (13.779)	3.396 (11.517)	1.772	0.276	-	5 10 15	301-0075-0000	-
- / 80	3.465	4.424 (12.909)	3.248 (10.040)	1.890	0.296	-	5 10 15	301-0080-0000	25 50
3,5 / 89-90	3.858	3.916 (11.458)	2.805 (7.973)	2.087	0.329	-	5 10 15	301-0090-0000	-
4 / 100-102	4.252	3.553 (10.298)	1.624 (8.859)	2.283	0.343	-	5 10 15	301-0100-0000	-
- / 110	4.646	3.191 (9.428)	1.477 (7.383)	2.480	0.376	-	5 10 15	301-0110-0000	25 50
4,5 / 114-115	4.843	3.046 (8.992)	1.477 (6.792)	2.598	0.390	-	5 10 15	301-0115-0000	-
4,72 / 120	5.039	2.973 (8.557)	1.329 (6.201)	2.677	0.410	-	5 10 15	301-0120-0000	25 50
5 / 125-127	5.236	2.828 (8.267)	1.329 (5.611)	2.795	0.423	-	5 10 15	301-0125-0000	-
- / 130	5.433	2.683 (7.977)	1.181 (5.315)	2.874	0.444	-	5 10 15	301-0130-0000	25 50
5,5 / 140	5.827	2.538 (7.397)	1.181 (4.430)	3.071	0.477	-	5 10 15	301-0140-0000	-
6 / 150-152	6.220	2.321 (6.962)	1.034 (3.839)	3.268	0.511	-	5 10 15	301-0150-0000	-
6,3 / 160	6.614	2.176 (6.527)	1.034 (3.544)	3.465	0.544	-	5 10 15	301-0160-0000	25 50
6,5 / 165	6.811	2.176 (6.237)	1.034 (3.248)	3.583	0.558	-	5 10 15	301-0165-0000	25 50
7 / 178-180	7.402	1.958 (5.802)	0.886 (2.658)	3.858	0.605	-	5 10 15	301-0180-0000	-
8 / 200-203	8.189	1.740 (5.221)	0.738 (3.248)	4.252	0.692	-	5 10 15	301-0200-0000	-
- / 225	9.213	1.595 (4.641)	0.591 (2.362)	4.803	0.780	-	5 10	301-0225-0000	25
- / 250	10.197	1.450 (4.206)	0.591 (1.772)	5.354	0.860	-	5 10	301-0250-0000	25
10 / 254	10.354	1.378 (4.061)	0.591 (1.772)	5.669	0.874	-	5 10	301-0254-0000	-
11 / 280	11.378	1.233 (3.771)	0.591 (1.477)	5.866	0.961	-	5 10	301-0280-0000	25
- / 300	12.165	1.160 (3.481)	0.443 (1.181)	6.260	1.142	-	5 10	301-0300-0000	25

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(in / mm)	(in)	(psi)	(inHG)	(in)	(lb/ft)	(ft)	(ft)		(ft)
12 / 305	12.402	1.160 (3.336)	0.443 (1.181)	6.417	1.163	-	5 10	301-0305-0000	-
- / 315	12.795	1.088 (3.336)	0.443 (1.181)	6.614	1.203	-	5 10	301-0315-0000	25
- / 350	14.173	1.015 (2.901)	0.443 (0.886)	7.283	1.344	-	5 10	301-0350-0000	25
14 / 356	14.409	1.015 (2.901)	0.443 (0.886)	7.480	1.411	-	5 10	301-0356-0000	-
- / 400	16.142	0.870 (2.611)	0.443 (0.591)	8.268	1.519	-	5 10	301-0400-0000	25
- / 450	18.110	0.798 (2.321)	0.295 (0.591)	9.252	1.694	-	5 10	301-0450-0000	25
- / 500	20.079	0.725 (2.031)	0.295 (0.295)	10.236	1.868	-	5 10	301-0500-0000	25

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Accessories



CLAMP 217



CONNECT 270-271



CONNECT 223



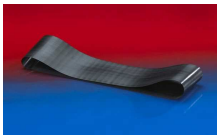
CLAMP 210 BRIDGE CLAMP



CLAMP 213



CLAMP 212



CONNECT 228

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