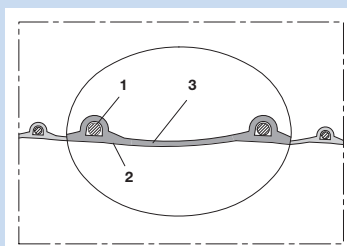


PROTAPE® PUR 330 MHF



Abrasion resistant suction and blast hose; super-light and reinforced, highly flexible + compressible 3:1

Applications

- food industry, pharmaceutical industry (FDA, EU guideline): foodstuff, pharmaceutical
- foodstuff conveying of: dry, aqueous and acid food (rice, cereals, sugar, milk powder, powders, coffee, tea, flour, frozen foods), alcohol < 20 %, fatty foodstuff, milk products, dry foodstuff with fatty substances at its surface
- food industry, pharmaceutical industry: mixer, dryer, packaging machines, bulk-bag (big bag)-charging and discharging, mills
- printed circuit board drilling machines (PCB)
- extraction units, dedusting systems, filter systems, oil dust extraction: fixed installed, mobile
- extraction arms
- textile industry, fiber extraction: spinning machines, knitting machines, weaving loom machines
- animal stalls, animal sheds: barn ventilation
- wood dust extraction: wood dust, wood chips, furniture production, saw mills
- wood dust extraction: vertical panel saws, saws, woodworking machinery, edge processing machines, parquet flooring grinding machines
- wood dust extraction: CNC machines, CNC machining centers (especially for fast moving systems)
- clean room industry: clean room ventilation, semiconductor production machines, computer chip manufacturing; wafer industries

- shot blasting/ sand blasting return e.g. at blasting chambers, ship yards
- medical devices/ medical technology, health-care sector: cable protection conduit, air supply hose, extraction hose
- heating hoses: exterior hose as protection hose

Properties

- super-light and reinforced model
- highly flexible + compressible 3:1
- abrasion-resistant (abrasion resistance about 2.5 to 5 times better than most rubber materials and about 3 to 4 times better than most soft PVCs)
- optimized flow properties
- high tensile strength and tear resistant
- small bending radiuses
- kink-proof
- gas- and liquid-tight
- approved by an independent testing laboratory for the complete hose acc. to EU Directive 10/2011 and the latest Directive 2015/174, food grade polyurethane, complies with: FDA 21 CFR 177.2600 and 178.2010
- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- good resistance to UV and ozone
- very good low temperature flexibility (better than comparable ester-polyurethanes)

- free of softener and halogens
- conforms to RoHS guideline

Temperature range

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

Design, Material

patented PROTAPE® tape hose

1. spring steel wire integrated in wall
2. extruded tape; wall: special premium ether-polyurethane (Pre-PUR®)
3. wall thickness 0.025-0.030 inch approx.

Delivery variants

- further diameters and lengths available on request
- transparent (standard)
- special colors: partially colored, completely colored
- customer-specific product marking
- wall: "bioplastic" material derived from renewable raw materials without food applicability
- customized connectors

I.D. in / mm	O.D. in	Over- pressure psi	Under- pressure inHG	Bending Radius in	Weight lbs./ft	Stock length ft	Further production lengths ft	Order No.
1 / 25	1.25	23.20	10.65	3/4	0.115	25 50	-	330-0025-000
- / 30	1.46	19.50	10.05	7/8	0.135	-	25 50	330-0030-000
1.25 / 32	1.54	18.25	10.05	0.91	0.140	-	25 50	330-0032-000
1.5 / 38	1.75	15.35	9.45	1.02	0.170	25 50	-	330-0038-000
- / 40	1.85	14.70	8.85	1.06	0.190	-	25 50	330-0040-000
1.75 / 44-45	2.05	13.05	8.40	1.16	0.210	-	25 50	330-0045-000
2 / 50-51	2.28	11.80	7.70	1.30	0.240	25 50	-	330-0050-000
2.36 / 60	2.68	9.85	6.20	1.50	0.290	-	25 50	330-0060-000
2.5 / 63-65	2.87	9.15	5.30	1.59	0.315	25 50	-	330-0065-000
- / 70	3.07	8.50	4.45	1.69	0.335	-	25 50	330-0070-000
3 / 75-76	3.27	7.90	4.15	1.79	0.355	25 50	-	330-0075-000
- / 80	3.46	7.40	3.85	1.89	0.385	-	25 50	330-0080-000
3.5 / 89-90	3.86	6.60	3.40	2.09	0.425	25 50	-	330-0090-000
4 / 100-102	4.25	5.95	2.65	2.28	0.445	25 50	-	330-0100-000
- / 110	4.65	5.45	2.35	2.50	0.490	-	25 50	330-0110-000
4.5 / 114-115	4.84	5.15	2.35	2.58	0.510	25 50	-	330-0115-000

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. 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 MHF



I.D. in / mm	O.D. in	Over- pressure psi	Under- pressure inHG	Bending Radius in	Weight lbs./ft	Stock length ft	Further production lengths ft	Order No.
4.72 / 120	5.04	4.95	2.20	2.68	0.530	-	25 50	330-0120-0000
5 / 125-127	5.24	4.80	1.75	2.78	0.550	25 50	-	330-0125-0000
- / 130	5.43	4.55	1.75	2.87	0.570	-	25 50	330-0130-0000
5.5 / 140	5.83	4.30	1.75	3.07	0.620	25 50	-	330-0140-0000
6 / 150-152	6.22	4.00	1.60	3.27	0.660	25 50	-	330-0150-0000
6.3 / 160	6.61	3.70	1.50	3.46	0.700	-	25 50	330-0160-0000
6.5 / 165	6.81	3.60	1.40	3.56	0.720	-	25 50	330-0165-0000
- / 170	7.00	3.50	1.35	3.66	0.745	-	25 50	330-0170-0000
- / 175	7.20	3.40	1.20	3.76	0.765	-	25 50	330-0175-0000
7 / 178-180	7.40	3.35	1.20	3.86	0.785	25 50	-	330-0180-0000
8 / 200-203	8.19	2.95	1.20	4.25	1.035	25 50	-	330-0200-0000
- / 225	9.17	2.60	0.90	4.74	1.175	-	25 50	330-0225-0000
9 / 228-229	9.29	2.60	0.85	4.80	1.190	25 50	-	330-0228-0000
- / 250	10.16	2.40	0.45	5.24	1.275	-	25 50	330-0250-0000
10 / 254	10.31	2.40	0.45	5.31	1.305	25 50	-	330-0254-0000
- / 275	11.14	2.20	0.45	5.73	1.420	-	25	330-0275-0000
11 / 280	11.34	2.10	0.45	5.83	1.445	-	25	330-0280-0000
- / 300	12.17	1.95	0.45	6.26	1.700	-	25 50	330-0300-0000
12 / 305	12.36	1.95	0.45	6.36	1.725	25 50	-	330-0305-0000
- / 315	12.76	1.90	0.30	6.56	1.780	-	25	330-0315-0000
- / 325	13.15	1.80	0.30	6.75	1.840	-	25	330-0325-0000
13 / 330	13.35	1.80	0.30	6.85	1.880	-	25	330-0330-0000
- / 350	14.13	1.65	0.30	7.24	1.980	-	25	330-0350-0000
14 / 356	14.37	1.65	0.30	7.36	2.015	25	-	330-0356-0000
- / 400	16.10	1.50	0.30	8.23	2.260	-	25	330-0400-0000
16 / 405-406	16.34	1.50	0.10	8.35	2.290	25	-	330-0406-0000
- / 450	18.07	1.30	0.20	9.21	2.535	-	25	330-0450-0000
18 / 457	18.35	1.30	0.20	9.37	2.670	25	-	330-0457-0000
- / 500	20.08	1.15	0.15	10.24	3.465	-	25	330-0500-0000
20 / 508	20.39	1.15	0.15	10.43	3.615	25	-	330-0508-0000

Accessories



CLAMP 212



CLAMP 217



CLAMP 213



CONNECT 228



CONNECT 223



CONNECT 270-271