



Abrasion resistant polyurethane hose/
tubing

Applications

- flexible hose/ ducting for liquids and for gases and for abrasive solids
- food industry, pharmaceutical industry: food, pharmaceutical
- conveying of dry foods e.g. rice, cereals, sugar, milk powder, powders, coffee, tea, grains, flour, frozen foods
- powder spraying, powder coating: e.g. printing industry
- hose/ tubing pump
- pneumatic tube
- compressed air hose, cooling water hose, water hose
- heating hose: interior hose for media transfer
- pneumatic expansion shaft: round expansion tube, flat expansion tube (special type on request)

Properties

- highly flexible
- highly abrasion resistant
- crush resistant
- Food grade wall, complies with: EU-Directive 10/2011 and EC 1935/2004 and the latest EU-Directive 2015/174
- odorless and tasteless
- microbe and hydrolysis resistant
- good resistance to oil, gasoline, and chemicals
- very good low temperature flexibility
- manufacturing process acc. GMP EC 2023/2006
- conforms to RoHS guideline

- 40°F to 195°F
- short time to 255°F

Design, material
NORFLEX® design

1. wall interior and exterior smooth; wall: special premium ether-polyurethane (Pre-PUR®)

Delivery variants

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

Temperature range

I.D. in / mm	Wall thickness Inch	O.D. in	Pressure psi	Bending Radius in	Weight lbs./ft	Stock length ft	Further production lengths ft	Order No.
- / 2	0.04	0.16	290.10 (-)	3/4	0.025	-	300	401-9020-0000
- / 2.5	0.03	0.16	188.55 (-)	0.74	0.020	-	300	401-9025-0000
1/8 / 3	0.04	0.20	217.55 (-)	0.73	0.035	300	-	401-9030-0000
- / 4	0.04	1/4	188.55 (-)	1.10	0.040	-	300	401-9040-0000
- / 5	0.04	0.28	145.05 (-)	1.08	0.050	300	-	401-9050-0000
- / 5	0.06	5/16	174.05 (-)	1.28	0.080	-	300	401-9050-2182
1/4 / 6	0.04	5/16	116.05 (-)	1.25	0.055	-	300	401-9060-0000
1/4 / 6	0.06	0.35	145.05 (-)	1.46	0.090	300	-	401-9060-2182
- / 7	0.06	3/8	145.05 (-)	1.44	0.100	-	300	401-9070-0000
5/16 / 8	0.04	3/8	87.00 (-)	1.22	0.075	-	300	401-9080-2172
5/16 / 8	0.06	0.43	116.05 (-)	1.81	0.115	300	-	401-9080-2182
5/16 / 8	0.08	0.47	174.05 (-)	1.81	0.160	-	300	401-9080-0000
- / 9	0.06	0.47	116.05 (-)	1.79	0.125	-	300	401-9090-0000
3/8 / 10	0.08	0.55	159.55 (-)	2.17	0.175	300	-	401-9100-0000
- / 11	0.10	5/8	145.05 (-)	2.15	0.270	-	150	401-9110-0000
- / 12	0.08	5/8	116.05 (-)	2.52	0.225	-	150	401-9120-0000
1/2 / 13	0.10	0.71	116.05 (-)	3.09	0.310	150	-	401-9130-0000
3/4 / 19	0.13	1.00	116.05 (-)	4.55	0.530	150	-	401-9190-0000

I.D. tolerance: <= 0.19 in: +0.039 in / -0.079 in; 0.2 in .. 0.31 in: +0.079 in / -0.012 in; > 0.31 in: 3/-3 %

Wall thickness tolerance: <= 0.028 in: +0.039 in / -0.039 in; 0.028 in .. 0.059 in: +0.006 in / -0.006 in; > 0.059 in: 10/-10 %

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. 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. Additional information at www.norres.com/us/technology-us/

Accessories



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