



abrasion resistant polyurethane hose

Application

- 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
- food grade polyurethane, complies with: FDA 21 CFR 177.2600
- 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
- REACH according to --> Technology / Technical Information / REACH

Temperature range

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

Design

- NORFLEX® design
- wall: special premium ether-polyurethane (Pre-PUR®)
- wall interior and exterior smooth

Delivery variants

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

I.D.	outer Ø	Wall thickness	Pressure	Bending radius	Weight	Dimensions in Stock	Order No.
(in / mm)	(in)	(in)	(psi)	(in)	(lb/ft)	(ft)	
- / 2	0.157	0.039	290.080	0.748	0.007	100	401-9020-0000
- / 2,5	0.157	0.030	188.552	0.748	0.007	100	401-9025-0000
1/8 / 3	0.197	0.039	217.560	0.748	0.013	100	401-9030-0000
- / 4	0.236	0.039	188.552	1.102	0.013	100	401-9040-0000
- / 5	0.276	0.039	145.040	1.102	0.013	100	401-9050-0000
- / 5	0.315	0.059	174.048	1.299	0.027	100	401-9050-2182
1/4 / 6	0.315	0.039	116.032	1.260	0.020	100	401-9060-0000
1/4 / 6	0.354	0.059	145.040	1.457	0.027	100	401-9060-2182
- / 7	0.394	0.059	145.040	1.457	0.034	100	401-9070-0000
5/16 / 8	0.472	0.079	174.048	1.811	0.047	100	401-9080-0000
5/16 / 8	0.394	0.039	87.024	1.220	0.020	100	401-9080-2172
5/16 / 8	0.433	0.059	116.032	1.811	0.034	100	401-9080-2182
- / 9	0.472	0.059	116.032	1.811	0.040	100	401-9090-0000
3/8 / 10	0.551	0.079	159.544	2.165	0.054	100	401-9100-0000
- / 11	0.630	0.098	145.040	2.165	0.081	50	401-9110-0000
- / 12	0.630	0.079	116.032	2.520	0.067	50	401-9120-0000
1/2 / 13	0.709	0.098	116.032	3.110	0.094	50	401-9130-0000
3/4 / 19	0.984	0.118	116.032	4.567	0.161	50	401-9190-0000

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

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Accessories



CLAMP 208