



Flame-retardant polyurethane hose/ tubing, for flying sparks or welding sparks

Application

- flexible hose/ ducting for liquids and for gases and for abrasive solids
- hose/ tubing pump
- pneumatic tube
- compressed air hose, cooling water hose, water hose
- industrial robot, robotic, welding equipment, welding robot, welding gun: welding spot resistant hose, hose for dresspack for media as water and air
- heating hose: interior hose for media transfer

Properties

- very good resistance to flying sparks and welding sparks
- highly flexible
- highly abrasion resistant

- crush resistant
- good resistance to oil, gasoline and chemicals
- flame-retardant according to: UL94-V0/V2
- conforms to RoHS guideline
- REACH according to --> Technology / Technical Information / REACH

Temperature Range

- 20 °C to 60 °C

Design

- NORFLEX® design
- wall interior and exterior smooth
- wall: special premium polyurethane with flame retardant additive (Pre-PUR®)

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Delivery variants

- further diameters and lengths available on request
- cream (standard)
- blue (standard)
- red (standard)
- yellow (standard)
- green (standard)
- special colours: partially coloured, completely coloured
- customer-specific branding

I.D.	outer Ø	Wall Thickness	Pressure	Burst Pressure	Bending Radius	Weight	Production Lengths	Order No.
(in / mm)	(mm)	mm	(bar)	(bar)	(mm)	(kg/m)	(m)	
blue								
- / 2	4.00	1.00	25,000	0	6.00	0.01	100	401-9020-6051
- / 4	8.00	2.00	23,000	0	13.00	0.05	50 100	401-9040-6041
- / 4	6.00	1.00	18,000	0	10.00	0.02	100	401-9040-6051
- / 5,5	8.00	1.25	14,000	0	14.00	0.03	100	401-9055-6061
1/4 / 6	10.00	2.00	18,000	0	17.00	0.06	50 100	401-9060-6041
1/4 / 6	9.00	1.50	14,000	0	15.00	0.05	100	401-9060-6071
- / 7	10.00	1.50	12,000	0	22.00	0.05	100	401-9070-6071
5/16 / 8	12.00	2.00	13,000	0	24.00	0.08	50 100	401-9080-6041
3/8 / 10	14.00	2.00	12,000	0	45.00	0.10	50 100	401-9100-6041
3/8 / 10	12.00	1.00	8,000	0	35.00	0.04	50 100	401-9100-6051
3/8 / 10	15.00	2.50	18,000	0	50.00	0.13	50 100	401-9100-6081
- / 11	15.00	2.00	13,000	0	45.00	0.11	100	401-9110-6041
- / 11	16.00	2.50	14,000	0	50.00	0.14	50	401-9110-6081
- / 17	22.00	2.50	8,000	0	72.00	0.20	50	401-9170-6081
7/8 / 22	28.00	3.00	7,000	0	139.00	0.30	50	401-9220-6091
cream								
- / 2	4.00	1.00	25,000	0	6.00	0.01	100	401-9020-6056
- / 4	8.00	2.00	23,000	0	13.00	0.05	50 100	401-9040-6046
- / 4	6.00	1.00	18,000	0	10.00	0.02	100	401-9040-6056
- / 5,5	8.00	1.30	14,000	0	14.00	0.03	100	401-9055-6066

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 20 °C and are approx. data. Additional information at www.norres.com/en/technology/



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(in / mm)	(mm)	mm	(bar)	(bar)	(mm)	(kg/m)	(m)	
1/4 / 6	10.00	2.00	18,000	0	17.00	0.06	50 100	401-9060-6046
1/4 / 6	9.00	1.50	14,000	0	15.00	0.05	100	401-9060-6076
- / 7	10.00	1.50	12,000	0	22.00	0.05	100	401-9070-6076
5/16 / 8	12.00	2.00	13,000	0	24.00	0.08	50 100	401-9080-6046
3/8 / 10	14.00	2.00	12,000	0	45.00	0.10	50 100	401-9100-6046
3/8 / 10	12.00	1.00	8,000	0	35.00	0.04	100	401-9100-6056
3/8 / 10	15.00	2.50	18,000	0	50.00	0.13	100	401-9100-6086
- / 11	15.00	2.00	13,000	0	45.00	0.11	100	401-9110-6046
- / 11	16.00	2.50	14,000	0	50.00	0.14	50	401-9110-6086
- / 17	22.00	2.50	8,000	0	72.00	0.20	50	401-9170-6086
7/8 / 22	28.00	3.00	7,000	0	139.00	0.30	50	401-9220-6096

green

- / 2	4.00	1.00	25,000	0	6.00	0.01	100	401-9020-6055
- / 4	8.00	2.00	23,000	0	13.00	0.05	50 100	401-9040-6045
- / 4	6.00	1.00	18,000	0	10.00	0.02	100	401-9040-6055
- / 5,5	8.00	1.30	14,000	0	14.00	0.03	100	401-9055-6065
1/4 / 6	10.00	2.00	18,000	0	17.00	0.06	50 100	401-9060-6045
1/4 / 6	9.00	1.50	14,000	0	15.00	0.05	100	401-9060-6075
- / 7	10.00	1.50	12,000	0	22.00	0.05	100	401-9070-6075
5/16 / 8	12.00	2.00	13,000	0	24.00	0.08	50 100	401-9080-6045
3/8 / 10	14.00	2.00	12,000	0	45.00	0.10	50 100	401-9100-6045
3/8 / 10	12.00	1.00	8,000	0	35.00	0.04	100	401-9100-6055
3/8 / 10	15.00	2.50	18,000	0	50.00	0.13	100	401-9100-6085
- / 11	15.00	2.00	13,000	0	45.00	0.11	100	401-9110-6045
- / 11	16.00	2.50	14,000	0	50.00	0.14	50	401-9110-6085
- / 17	22.00	2.50	8,000	0	72.00	0.20	50	401-9170-6085
7/8 / 22	28.00	3.00	7,000	0	139.00	0.30	50	401-9220-6095

red

- / 2	4.00	1.00	25,000	0	6.00	0.01	100	401-9020-6053
- / 4	8.00	2.00	23,000	0	13.00	0.05	50 100	401-9040-6043
- / 4	6.00	1.00	18,000	0	10.00	0.02	100	401-9040-6053
- / 5,5	8.00	1.30	14,000	0	14.00	0.03	100	401-9055-6063
1/4 / 6	10.00	2.00	18,000	0	17.00	0.06	50 100	401-9060-6043
1/4 / 6	9.00	1.50	14,000	0	15.00	0.05	100	401-9060-6073
- / 7	10.00	1.50	12,000	0	22.00	0.05	100	401-9070-6073
5/16 / 8	12.00	2.00	13,000	0	24.00	0.08	50 100	401-9080-6043
3/8 / 10	14.00	2.00	12,000	0	45.00	0.10	50 100	401-9100-6043
3/8 / 10	12.00	1.00	8,000	0	35.00	0.04	100	401-9100-6053
3/8 / 10	15.00	2.50	18,000	0	50.00	0.13	100	401-9100-6083
- / 11	15.00	2.00	13,000	0	45.00	0.11	100	401-9110-6043
- / 11	16.00	2.50	14,000	0	50.00	0.14	50	401-9110-6083
- / 17	22.00	2.50	8,000	0	72.00	0.20	50	401-9170-6083
7/8 / 22	28.00	3.00	7,000	0	139.00	0.30	50	401-9220-6093

yellow

- / 2	4.00	1.00	25,000	0	6.00	0.01	100	401-9020-6054
- / 4	8.00	2.00	23,000	0	13.00	0.05	50 100	401-9040-6044
- / 4	6.00	1.00	18,000	0	10.00	0.02	100	401-9040-6054
- / 5,5	8.00	1.30	14,000	0	14.00	0.03	100	401-9055-6064
1/4 / 6	10.00	2.00	18,000	0	17.00	0.06	50 100	401-9060-6044
1/4 / 6	9.00	1.50	14,000	0	15.00	0.05	100	401-9060-6074

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- / 7	10.00	1.50	12,000	0	22.00	0.05	100	401-9070-6074
5/16 / 8	12.00	2.00	13,000	0	24.00	0.08	50 100	401-9080-6044
3/8 / 10	14.00	2.00	12,000	0	45.00	0.10	100	401-9100-6044
3/8 / 10	12.00	1.00	8,000	0	35.00	0.04	50 100	401-9100-6054
3/8 / 10	15.00	2.50	18,000	0	50.00	0.13	100	401-9100-6084
- / 11	15.00	2.00	13,000	0	45.00	0.11	100	401-9110-6044
- / 11	16.00	2.50	14,000	0	50.00	0.14	50	401-9110-6084
- / 17	22.00	2.50	8,000	0	72.00	0.20	50	401-9170-6084
7/8 / 22	28.00	3.00	7,000	0	139.00	0.30	50	401-9220-6094

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Accessories



CLAMP 208

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