



Flame-resistant polyurethane hose, 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

- 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®)

### 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. (in / mm)	outer Ø (mm)	Wall Thickness (mm)	Pressure (bar)	Burst Pressure (bar)	Bending Radius (mm)	Weight (kg/m)	Production Lengths (m)	Order No.
<b>blue</b>								
- / 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
<b>red</b>								
- / 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



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)	
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
- / 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

### 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

### 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
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



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)	
- / 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

## Accessories



CLAMP 208