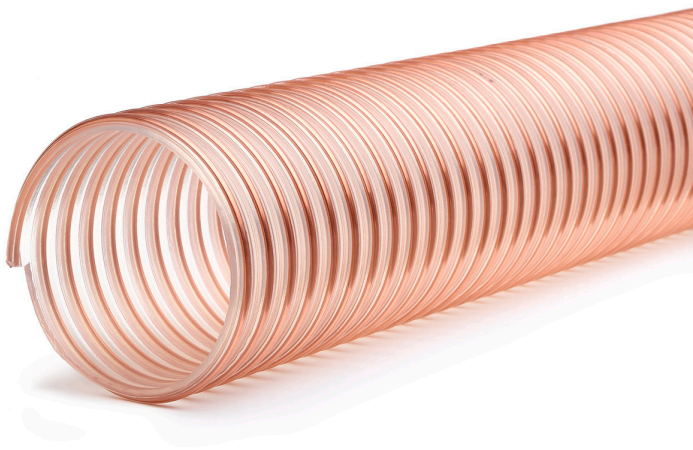
SMARTFLEX® 2.0

Very heavy weight Polyurethane hose, flame retardant



Applications conveying of abrasive media, roof graveling, vacuum conveyor, gravel conveying, suction vehicles & dredgers

Structure Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated

Temperature -40°C up to 100°C, short term up to 125°C

Properties flame-retardant, permanently antistatic (R < 10^9 Ohm), hydrolysis & microbe resistant, very smooth inside, corrugated outside

Norms flame-retardant according to DIN 4102 / B1 | TRBS 2153/TRGS 727, ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22) | discharge capability according to BGI 739-2 with spiral earthing | DIN 26057-4





made in Germany

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
38	50,00	2,00	100	3,75	0,95	7,48	10	09200038-1000-000-00
38	50,00	2,00	100	3,75	0,95	11,21	15	09200038-1500-000-00
40	52,00	2,00	100	3,75	0,95	8,30	10	09200040-1000-000-00
40	52,00	2,00	100	3,75	0,95	12,46	15	09200040-1500-000-00
45	57,00	2,00	105	3,75	0,95	8,66	10	09200045-1000-000-00
51	63,00	2,00	126	3,19	0,95	10,42	10	09200051-1000-000-00
51	63,00	2,00	126	3,19	0,95	15,63	15	09200051-1500-000-00
60	72,00	2,00	150	2,80	0,95	12,26	10	09200060-1000-000-00
60	72,00	2,00	150	2,80	0,95	18,39	15	09200060-1500-000-00
65	77,00	2,00	165	2,60	0,95	13,25	10	09200065-1000-000-00
65	77,00	2,00	165	2,60	0,95	19,87	15	09200065-1500-000-00
70	82,00	2,00	170	2,50	0,95	12,89	10	09200070-1000-000-00
70	82,00	2,00	170	2,50	0,95	19,33	15	09200070-1500-000-00
76	88,00	2,00	190	2,25	0,95	13,90	10	09200076-1000-000-00
76	88,00	2,00	190	2,25	0,95	20,85	15	09200076-1500-000-00
80	93,00	2,00	200	2,09	0,95	14,63	10	09200080-1000-000-00
80	93,00	2,00	200	2,09	0,95	21,94	15	09200080-1500-000-00
90	103,00	2,00	220	1,95	0,95	16,32	10	09200090-1000-000-00
90	103,00	2,00	220	1,95	0,95	24,48	15	09200090-1500-000-00
102	115,00	2,00	290	1,90	0,95	18,35	10	09200102-1000-000-00
102	115,00	2,00	290	1,90	0,95	27,53	15	09200102-1500-000-00
110	123,00	2,00	305	1,80	0,90	19,71	10	09200110-1000-000-00

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All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances. Max. operating pressures apply only for short periods. Technical changes and color deviations are subject to change. Other versions are available upon request.
Date: 24.11.2026

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Operating Pressure (bar)	Vacuum Max. (bar)	Total Weight per Piece (kg)	Length (m)	Article Number
110	123,00	2,00	305	1,80	0,90	29,56	15	09200110-1500-000-00
115	128,00	2,00	320	1,60	0,90	20,55	10	09200115-1000-000-00
115	128,00	2,00	320	1,60	0,90	30,83	15	09200115-1500-000-00
120	133,00	2,00	350	1,55	0,90	21,38	10	09200120-1000-000-00
120	133,00	2,00	350	1,55	0,90	32,07	15	09200120-1500-000-00
127	140,00	2,00	358	1,45	0,85	39,25	15	09200127-1500-000-00
127	140,00	2,00	358	1,45	0,85	26,16	10	09200127-1000-000-00
130	140,00	2,00	365	1,30	0,80	26,75	10	09200130-1000-000-00
140	153,00	2,00	442	1,30	0,80	28,71	10	09200140-1000-000-00
140	153,00	2,00	442	1,30	0,80	43,07	15	09200140-1500-000-00
152	165,00	2,00	462	1,35	0,75	26,88	10	09200152-1000-000-00
152	165,00	2,00	462	1,35	0,75	40,33	15	09200152-1500-000-00
160	173,00	2,00	680	1,25	0,70	28,24	10	09200160-1000-000-00
180	193,00	2,00	750	1,10	0,65	31,63	10	09200180-1000-000-00
200	213,00	2,00	900	1,04	0,60	35,01	10	09200200-1000-000-00
250	263,00	2,00	1.300	0,63	0,40	43,48	10	09200250-1000-000-00

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