SMARTFLEX® 0.6

Light weight and flexible Polyurethane hose, flame retardant

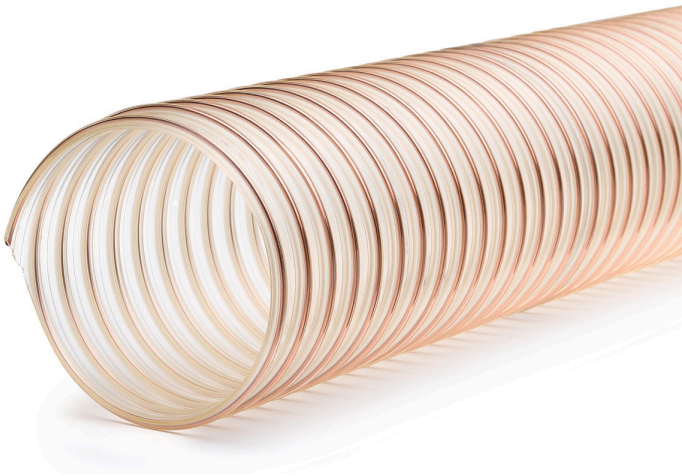
Applications wood dust extraction, extraction systems, leaf extraction, extractions arms, powder conveying & -coating

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 good flexibility, good oil & petrol resistance

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



hydrolysis resistant | microbe-resistant | permanently antistatic | flame retardant | grounding wire | abrasion resistant | very smooth inside

air | dust | solids

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
25	29,00	0,50	15	1,70	0,45	1,62	10	5550250100
30	34,00	0,50	18	1,50	0,35	2,25	10	5550300100
32	36,00	0,50	19	1,60	0,42	2,39	10	5550320100
35	39,00	0,50	20	1,55	0,41	2,61	10	5550350100
38	42,00	0,50	22	1,50	0,40	2,82	10	5550380100
40	44,00	0,50	24	1,40	0,30	4,27	15	5550400150
40	44,00	0,50	24	1,40	0,30	2,85	10	5550400100
50	55,00	0,60	30	1,30	0,26	4,94	15	5550500150
50	55,00	0,60	30	1,30	0,26	3,29	10	5550500100
60	65,00	0,60	36	1,10	0,25	7,02	15	5550600150
60	65,00	0,60	36	1,10	0,25	4,68	10	5550600100
65	70,00	0,60	38	1,00	0,23	9,06	15	5550650150
70	75,00	0,60	40	1,00	0,25	8,11	15	5550700150
75	80,00	0,60	45	0,80	0,20	8,65	15	5550750150
75	80,00	0,60	45	0,80	0,20	5,77	10	5550750100
80	85,00	0,60	48	0,70	0,18	9,20	15	5550800150
80	85,00	0,60	48	0,70	0,18	6,13	10	5550800100
90	95,00	0,60	54	0,70	0,16	6,13	10	5550900100
100	105,00	0,60	60	0,60	0,15	8,52	15	5551000150
100	105,00	0,60	60	0,60	0,15	5,68	10	5551000100
110	115,00	0,60	66	0,50	0,14	6,24	10	5551100100
120	125,00	0,60	72	0,45	0,14	10,19	15	5551200150

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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: 21.10.2026

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
120	125,00	0,60	72	0,45	0,14	6,79	10	5551200100
125	130,00	0,60	75	0,40	0,12	7,08	10	5551250100
140	145,00	0,60	84	0,30	0,12	11,89	15	5551400150
140	145,00	0,60	84	0,30	0,12	7,93	10	5551400100
150	155,00	0,60	90	0,25	0,10	12,74	15	5551500150
150	155,00	0,60	90	0,25	0,10	8,49	10	5551500100
160	166,00	0,60	96	0,22	0,10	15,39	15	5551600150
160	166,00	0,60	96	0,22	0,10	10,26	10	5551600100
180	186,00	0,60	108	0,20	0,10	11,52	10	5551800100
200	206,00	0,60	120	0,20	0,09	12,79	10	5552000100
225	231,00	0,60	135	0,15	0,08	14,37	10	5552250100
250	257,00	0,60	150	0,15	0,06	18,49	10	5552500100
300	307,00	0,60	180	0,12	0,06	22,15	10	5553000100
350	357,00	0,60	210	0,10	0,04	25,82	10	5553500100

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