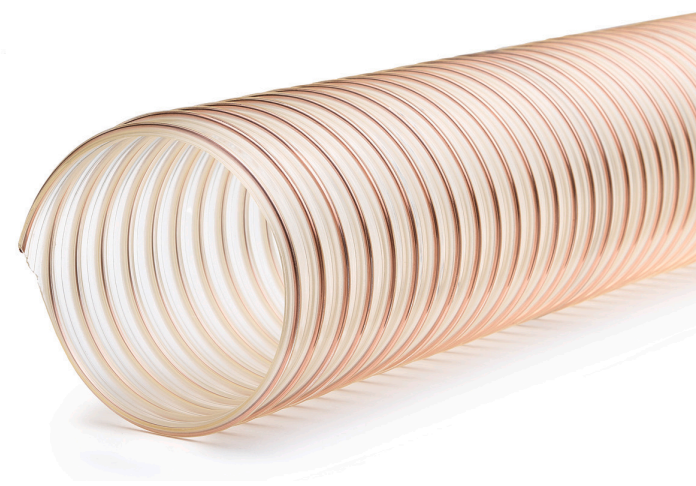
SCHAUENBURG
RUHRKUNSTSTOFF GMBH

SMARTFLEX® 0.6

Light weight and flexible Polyurethane hose, flame retardant



Applications	wood dust extraction, dust extraction, grass extraction, leaf extraction, furniture production
Structure	TPU / Polyether-Polyurethane, uncolored, 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 and microbe resistance, very good flexibility, good oil and petrol resistance
Norms	flame-retardant according 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





made in Germany

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Working Pressure (bar)	Max. Vacuum (bar)	Weight (kg/m)	Article Number
20	26	0,50	12	1,80	0,45	0,1315	13500020
25	32	0,50	15	1,70	0,45	0,1619	13500025
30	37	0,50	18	1,50	0,35	0,2252	13500030
32	39	0,50	19	1,60	0,42	0,2393	13500032
35	42	0,50	21	1,50	0,35	0,2606	13500035
38	46	0,50	23	1,50	0,30	0,2818	13500038
40	48	0,50	24	1,40	0,30	0,2846	13500040
50	58	0,50	30	1,30	0,26	0,4458	13500050
60	68	0,60	36	1,10	0,25	0,4679	13500060
65	73	0,60	38	1,00	0,23	0,5000	13500065
75	83	0,60	45	0,80	0,20	0,5769	13500075
80	88	0,60	48	0,70	0,18	0,6133	13500080
90	99	0,60	54	0,70	0,16	0,6133	13500090
100	109	0,60	60	0,60	0,15	0,8475	13500100
110	119	0,60	66	0,50	0,14	0,9293	13500110
120	130	0,60	72	0,45	0,14	1,0111	13500120
125	135	0,60	75	0,40	0,12	1,0722	13500125
140	150	0,60	84	0,30	0,12	1,1980	13500140
150	160	0,60	90	0,25	0,10	1,2818	13500150
160	170	0,60	96	0,22	0,10	1,3656	13500160
180	190	0,60	108	0,20	0,10	1,6205	13500180

SCHAUENBURG Ruhrkunststoff GmbH | Weseler Str. 35 | 45478 Mülheim-Ruhr | Germany | T +49 208 99 91 0 | F +49 208 5 33 74 | mail@schauenburg-rk.com

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: 02.10.2023

Inner Diameter (mm)	Outer Diameter (mm)	Wall Thickness (mm)	Bending Radius (mm)	Max. Working Pressure (bar)	Max. Vacuum (bar)	Weight (kg/m)	Article Number
200	211	0,60	120	0,20	0,09	1,7960	13500200
215	226	0,60	129	0,20	0,09	1,9276	13500215
225	236	0,60	135	0,15	0,08	2,0154	13500225
250	261	0,60	150	0,15	0,06	2,1815	13500250
300	311	0,60	180	0,12	0,06	2,6059	13500300
350	361	0,60	210	0,10	0,04	3,0303	13500350
400	411	0,60	240	0,08	0,02	3,4547	13500400
450	461	0,60	270	0,04	0,01	3,8791	13500450
500	509	0,60	300	0,02	0,01	4,3035	13500500

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Date: 02.10.2023