

SMARTFLEX® 1.4

Heavy weight and flexible Polyether-Polyurethane ducting, flame-retardant

Applications	Suction of abrasive particles e.g. wooden shavings and chips in the woodworking industry
Structure	Polyether-Polyurethane, transparent with spring steel wire
Temperature Resistance	- 40° C up to + 100° C (short term up to + 125° C)
Optional	Antistatic ($R \leq 10^8$ Ohm) and/or flame-retardant without certificate



microbe-resistant



hydrolysis-resistant



flame-retardant



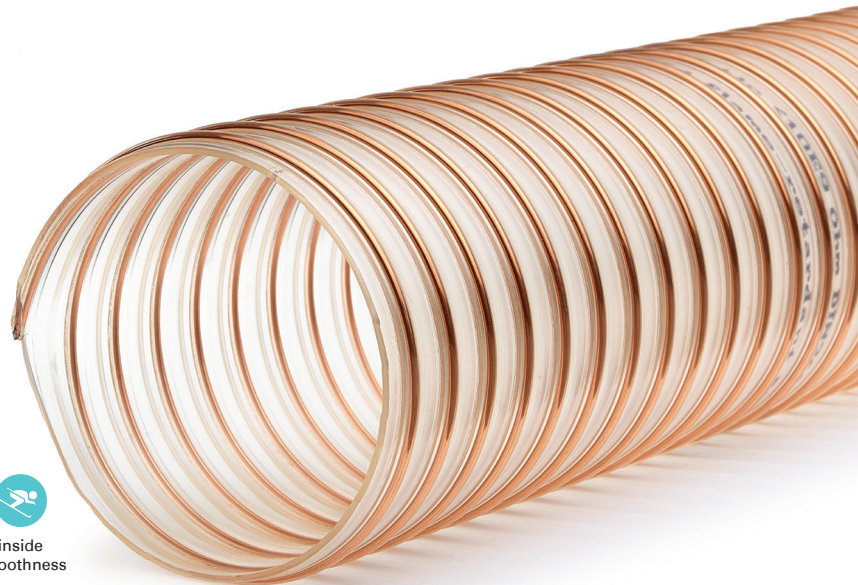
permanently antistatic



abrasion-resistant



inside smoothness



Properties: Flame-retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently antistatic ($R \leq 10^8$ Ohm), conform to TRGS 727 and ATEX 2014/34/EU, very good flexibility even at low temperatures, very smooth bore, electrically conductive according to BGI 739-2 by grounding the wire, free of halogen and softeners

I.D. Ø mm	Wall Thickness mm	Bending Radius mm	Working Pressure bar	Vacuum bar	Weight kg/m	Standard Lengths m
25	1,40	38	3,00	0,90	0,30	10, 15
30	1,40	45	3,00	0,90	0,37	10, 15
32	1,40	48	3,00	0,90	0,38	10, 15
35	1,40	53	2,60	0,80	0,45	10, 15
38	1,40	57	2,40	0,75	0,52	10, 15
40	1,40	60	2,30	0,70	0,56	10, 15
50	1,40	75	1,90	0,60	0,67	10, 15
60	1,40	90	1,80	0,55	0,79	10, 15
75	1,40	113	1,20	0,50	0,98	10, 15
80	1,40	120	1,20	0,45	1,09	10, 15
90	1,40	135	1,10	0,45	1,23	10, 15
100	1,40	150	1,10	0,40	1,36	10, 15
120	1,40	180	0,90	0,30	1,42	10, 15
125	1,40	188	0,80	0,25	1,54	10, 15
140	1,40	210	0,70	0,20	1,75	10, 15
150	1,40	225	0,70	0,20	1,82	10, 15
160	1,40	240	0,60	0,20	2,15	10, 15
180	1,40	270	0,50	0,15	2,55	10, 15
200	1,40	300	0,50	0,15	2,92	10, 15
225	1,40	338	0,40	0,10	3,25	10, 15
250	1,40	375	0,30	0,10	3,57	10, 15
300	1,40	450	0,30	0,10	4,31	10, 15
350	1,40	525	0,25	0,09	5,05	10, 15
400	1,40	600	0,20	0,09	5,75	10, 15
450	1,40	675	0,10	0,08	6,47	10, 15
500	1,40	750	0,07	0,04	7,37	10, 15