

Smartflex 1.4

Polyurethane Ducting - Heavy Weight



Construction: Polyether Polyurethane wall encapsulating a copper coated spring steel wire helix.

Colour: Clear

Standard length: 10 Metre lengths from 25mm to 450mm diameter.

Temperature range: -40°C to +100°C in a 20°C ambient.

Applications: Suction of dust and small particles in the woodworking industry, such as wood chip and splinters. Suitable for granular transfer.

Properties: Flame retardant according to DIN 4102 B1, excellent abrasion resistance, good oil and petrol resistance, resistant to hydrolysis and microbes, permanently anti-static ($R < = 10^9$ Ohm), conforms to TRGS 727, very good flexibility even at low temperatures and electrically conductive according to BGI 739 by grounding the wire.

Diameter mm	Weight Kg/m	Wall Thickness mm	Bend Radius mm	Max. Work. Press. Bar	Max. Vacuum Bar
25	0.30	1.4	38	3.00	0.90
30	0.37	1.4	45	3.00	0.90
32	0.38	1.4	48	3.00	0.90
35	0.45	1.4	53	2.60	0.80
38	0.52	1.4	57	2.40	0.75
40	0.56	1.4	60	2.30	0.70
50	0.67	1.4	75	1.90	0.60
60	0.79	1.4	90	1.80	0.55
70	0.92	1.4	105	1.60	0.50
75	0.98	1.4	113	1.20	0.50
80	1.09	1.4	120	1.20	0.45
90	1.23	1.4	135	1.10	0.45
100	1.36	1.4	150	1.10	0.40
110	1.38	1.4	165	1.00	0.35
120	1.42	1.4	180	0.90	0.30
125	1.54	1.4	188	0.80	0.25
140	1.75	1.4	210	0.70	0.20
150	1.82	1.4	225	0.70	0.20
160	2.15	1.4	240	0.60	0.20
175	2.35	1.4	263	0.55	0.15
180	2.55	1.4	270	0.50	0.15
200	2.92	1.4	300	0.50	0.15
225	3.25	1.4	338	0.40	0.10
250	3.57	1.4	375	0.30	0.10
300	4.31	1.4	450	0.30	0.10
350	5.05	1.4	525	0.25	0.09
400	5.75	1.4	600	0.20	0.09
450	6.47	1.4	675	0.10	0.08

Technical data at +23°C. Other diameters/lengths available upon request.

