

SMARTFLEX® 0.4

Light weight and very flexible Polyether-Polyurethane ducting, flame-retardant

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| Applications | Suction of dust and small particles in the woodworking industry e.g. shavings and dust |
| 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



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, good compressibility, 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 | 0,40 | 16 | 0,60 | 0,30 | 0,13 | 10, 15 |
| 30 | 0,40 | 20 | 0,55 | 0,25 | 0,15 | 10, 15 |
| 40 | 0,40 | 28 | 0,50 | 0,25 | 0,23 | 10, 15 |
| 50 | 0,40 | 35 | 0,40 | 0,20 | 0,29 | 10, 15 |
| 60 | 0,40 | 42 | 0,40 | 0,16 | 0,34 | 10, 15 |
| 80 | 0,40 | 56 | 0,27 | 0,10 | 0,46 | 10, 15 |
| 100 | 0,40 | 70 | 0,20 | 0,09 | 0,52 | 10, 15 |
| 120 | 0,40 | 88 | 0,20 | 0,08 | 0,61 | 10, 15 |
| 140 | 0,40 | 92 | 0,15 | 0,08 | 0,66 | 10, 15 |
| 150 | 0,40 | 105 | 0,10 | 0,07 | 0,78 | 10, 15 |
| 160 | 0,40 | 114 | 0,09 | 0,06 | 0,85 | 10, 15 |
| 180 | 0,40 | 128 | 0,09 | 0,06 | 0,95 | 10, 15 |
| 200 | 0,40 | 140 | 0,08 | 0,05 | 1,02 | 10, 15 |
| 215 | 0,40 | 185 | 0,07 | 0,05 | 1,14 | 10, 15 |
| 225 | 0,40 | 200 | 0,06 | 0,04 | 1,20 | 10, 15 |
| 250 | 0,40 | 205 | 0,05 | 0,04 | 1,28 | 10, 15 |
| 300 | 0,40 | 210 | 0,03 | 0,03 | 1,54 | 10, 15 |
| 400 | 0,40 | 280 | 0,01 | 0,01 | 2,05 | 10, 15 |
| 500 | 0,40 | 350 | 0,01 | 0,01 | 2,56 | 10, 15 |
| 600 | 0,40 | 400 | 0,01 | 0,01 | 4,60 | 10, 15 |
| 710 | 0,40 | 497 | 0,01 | 0,01 | 5,44 | 10, 15 |
| 800 | 0,40 | 560 | 0,01 | 0,01 | 6,13 | 10, 15 |