

SMARTFLEX PU 0,7

Medium weight and flexible spiral hose made of Polyurethane, flame retardant

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|---------------------|--|
| Applications | wood dust extraction, sawing & milling, grass extraction, leaf extraction, conveying of abrasive media |
| Structure | TPU / 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, 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 DIN 26057-2 |



| 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 | 30,00 | 0,70 | 15 | 1,55 | 0,40 | 2,20 | 10 | ND56702500K |
| 25 | 30,00 | 0,70 | 15 | 1,55 | 0,40 | 3,30 | 15 | ND56702500M |
| 30 | 35,00 | 0,70 | 20 | 1,45 | 0,38 | 2,61 | 10 | ND56703000K |
| 30 | 35,00 | 0,70 | 20 | 1,45 | 0,38 | 3,91 | 15 | ND56703000M |
| 32 | 37,00 | 0,70 | 22 | 1,40 | 0,35 | 3,77 | 10 | ND56703200K |
| 32 | 37,00 | 0,70 | 22 | 1,40 | 0,35 | 5,66 | 15 | ND56703200M |
| 38 | 43,00 | 0,70 | 26 | 1,40 | 0,33 | 3,26 | 10 | ND56703800K |
| 38 | 43,00 | 0,70 | 26 | 1,40 | 0,33 | 4,89 | 15 | ND56703800M |
| 40 | 45,00 | 0,70 | 28 | 1,35 | 0,32 | 4,61 | 15 | ND56704000M |
| 40 | 45,00 | 0,70 | 28 | 1,35 | 0,32 | 3,07 | 10 | ND56704000K |
| 45 | 50,00 | 0,70 | 30 | 1,20 | 0,30 | 3,83 | 10 | ND56704500K |
| 45 | 50,00 | 0,70 | 30 | 1,20 | 0,30 | 5,74 | 15 | ND56704500M |
| 50 | 56,00 | 0,70 | 35 | 1,18 | 0,27 | 3,85 | 10 | ND56705000K |
| 50 | 56,00 | 0,70 | 35 | 1,18 | 0,27 | 5,78 | 15 | ND56705000M |
| 60 | 66,00 | 0,70 | 42 | 1,18 | 0,27 | 4,60 | 10 | ND56706000K |
| 60 | 66,00 | 0,70 | 42 | 1,18 | 0,27 | 6,89 | 15 | ND56706000M |
| 65 | 71,00 | 0,70 | 48 | 1,10 | 0,25 | 4,97 | 10 | ND56706500K |
| 65 | 71,00 | 0,70 | 48 | 1,10 | 0,25 | 7,45 | 15 | ND56706500M |
| 70 | 76,00 | 0,70 | 51 | 1,10 | 0,25 | 5,34 | 10 | ND56707000K |
| 70 | 76,00 | 0,70 | 51 | 1,10 | 0,25 | 8,01 | 15 | ND56707000M |
| 76 | 82,00 | 0,70 | 53 | 0,90 | 0,23 | 5,78 | 10 | ND56707600K |
| 76 | 82,00 | 0,70 | 53 | 0,90 | 0,23 | 8,67 | 15 | ND56707600M |

| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 76 | 82,00 | 0,70 | 53 | 0,90 | 0,23 | 11,56 | 20 | ND56707600N |
| 80 | 86,00 | 0,70 | 56 | 0,86 | 0,21 | 6,08 | 10 | ND56708000K |
| 80 | 86,00 | 0,70 | 56 | 0,86 | 0,21 | 9,12 | 15 | ND56708000M |
| 90 | 96,00 | 0,70 | 60 | 0,75 | 0,20 | 6,82 | 10 | ND56709000K |
| 90 | 96,00 | 0,70 | 60 | 0,75 | 0,20 | 10,23 | 15 | ND56709000M |
| 102 | 108,00 | 0,70 | 71 | 0,64 | 0,19 | 7,71 | 10 | ND56710200K |
| 102 | 108,00 | 0,70 | 71 | 0,64 | 0,19 | 11,56 | 15 | ND56710200M |
| 102 | 108,00 | 0,70 | 71 | 0,64 | 0,19 | 15,42 | 20 | ND56710200N |
| 110 | 116,00 | 0,70 | 78 | 0,60 | 0,17 | 12,45 | 15 | ND56711000M |
| 110 | 116,00 | 0,70 | 78 | 0,60 | 0,17 | 8,30 | 10 | ND56711000K |
| 120 | 126,00 | 0,70 | 84 | 0,54 | 0,16 | 8,95 | 10 | ND56712000K |
| 120 | 126,00 | 0,70 | 84 | 0,54 | 0,16 | 13,42 | 15 | ND56712000M |
| 125 | 131,00 | 0,70 | 88 | 0,50 | 0,15 | 9,31 | 10 | ND56712500K |
| 125 | 131,00 | 0,70 | 88 | 0,50 | 0,15 | 13,97 | 15 | ND56712500M |
| 140 | 146,00 | 0,70 | 98 | 0,43 | 0,11 | 10,41 | 10 | ND56714000K |
| 140 | 146,00 | 0,70 | 98 | 0,43 | 0,11 | 15,62 | 15 | ND56714000M |
| 150 | 156,00 | 0,70 | 105 | 0,41 | 0,11 | 11,15 | 10 | ND56715000K |
| 150 | 156,00 | 0,70 | 105 | 0,41 | 0,11 | 16,72 | 15 | ND56715000M |
| 160 | 166,00 | 0,70 | 112 | 0,37 | 0,11 | 17,82 | 15 | ND56716000M |
| 160 | 166,00 | 0,70 | 112 | 0,37 | 0,11 | 11,88 | 10 | ND56716000K |
| 180 | 187,00 | 0,70 | 126 | 0,32 | 0,11 | 15,96 | 10 | ND56718000K |
| 180 | 187,00 | 0,70 | 126 | 0,32 | 0,11 | 23,93 | 15 | ND56718000M |
| 200 | 207,00 | 0,70 | 140 | 0,27 | 0,10 | 17,71 | 10 | ND56720000K |
| 225 | 232,00 | 0,70 | 158 | 0,21 | 0,08 | 19,90 | 10 | ND56722500K |
| 225 | 232,00 | 0,70 | 158 | 0,21 | 0,08 | 29,85 | 15 | ND56722500M |
| 250 | 257,00 | 0,70 | 175 | 0,21 | 0,06 | 22,09 | 10 | ND56725000K |
| 250 | 257,00 | 0,70 | 175 | 0,21 | 0,06 | 33,14 | 15 | ND56725000M |
| 300 | 307,00 | 0,70 | 210 | 0,16 | 0,06 | 26,48 | 10 | ND56730000K |
| 350 | 357,00 | 0,70 | 245 | 0,11 | 0,02 | 33,15 | 10 | ND56735000K |
| 400 | 407,00 | 0,70 | 280 | 0,09 | 0,01 | 37,86 | 10 | ND56740000K |
| 450 | 457,00 | 0,70 | 315 | 0,07 | 0,01 | 21,29 | 5 | ND56745000E |
| 450 | 457,00 | 0,70 | 315 | 0,07 | 0,01 | 42,57 | 10 | ND56745000K |
| 500 | 507,00 | 0,70 | 350 | 0,05 | 0,01 | 47,28 | 10 | ND56750000K |