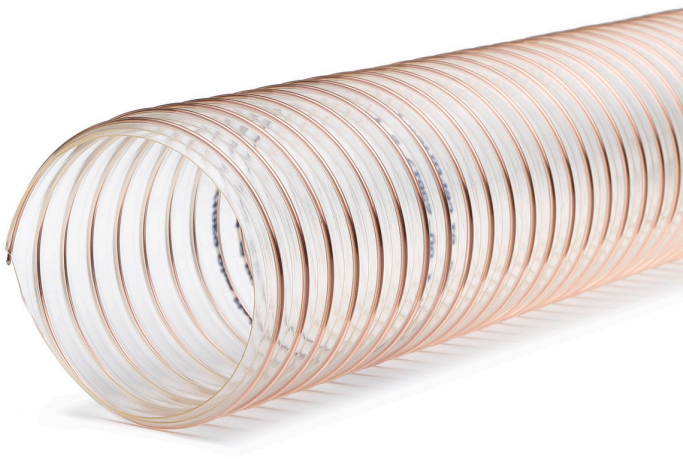
Ocono

France

# SMARTFLEX® PU 0,4

Light weight and very flexible Polyurethane hose, flame retardant



**Applications** wood dust extraction, dust extraction, furniture production, extraction systems, extractions arms

**Structure** 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, excellent flexibility, good oil & petrol resistance

**Norms** flame-retardant according to DIN 4102 / B1 | ATEX 2014/34/EU / pneumatic transport of combustible dusts (inside: zone 20, 21, 22), TRBS 2153/TRGS 727 | discharge capability according to BGI 739-2 with spiral earthing | DIN 26057-1







made in Germany

| 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 | 29,00 | 0,40 | 15 | 0,65 | 0,30 | 2,09 | 15 | ND52702500M |
| 25 | 29,00 | 0,40 | 15 | 0,65 | 0,30 | 1,39 | 10 | ND52702500K |
| 30 | 34,00 | 0,40 | 18 | 0,60 | 0,30 | 1,64 | 10 | ND52703000K |
| 30 | 34,00 | 0,40 | 18 | 0,60 | 0,30 | 2,47 | 15 | ND52703000M |
| 32 | 36,00 | 0,40 | 20 | 0,55 | 0,28 | 1,74 | 10 | ND52703200K |
| 32 | 36,00 | 0,40 | 20 | 0,55 | 0,28 | 2,62 | 15 | ND52703200M |
| 35 | 39,00 | 0,40 | 25 | 0,55 | 0,28 | 1,90 | 10 | ND52703500K |
| 38 | 42,00 | 0,40 | 22 | 0,50 | 0,25 | 2,05 | 10 | ND52703800K |
| 38 | 42,00 | 0,40 | 22 | 0,50 | 0,25 | 3,07 | 15 | ND52703800M |
| 40 | 44,00 | 0,40 | 24 | 0,50 | 0,25 | 2,06 | 10 | ND52704000K |
| 40 | 44,00 | 0,40 | 24 | 0,50 | 0,25 | 3,09 | 15 | ND52704000M |
| 45 | 49,00 | 0,40 | 25 | 0,45 | 0,25 | 2,29 | 10 | ND52704500K |
| 51 | 55,00 | 0,40 | 31 | 0,45 | 0,20 | 2,57 | 10 | ND52705100K |
| 51 | 55,00 | 0,40 | 31 | 0,45 | 0,20 | 3,86 | 15 | ND52705100M |
| 60 | 64,00 | 0,40 | 36 | 0,40 | 0,16 | 3,00 | 10 | ND52706000K |
| 60 | 64,00 | 0,40 | 36 | 0,40 | 0,16 | 4,49 | 15 | ND52706000M |
| 65 | 69,00 | 0,40 | 38 | 0,38 | 0,15 | 3,23 | 10 | ND52706500K |
| 65 | 69,00 | 0,40 | 38 | 0,38 | 0,15 | 4,85 | 15 | ND52706500M |
| 70 | 74,00 | 0,40 | 40 | 0,35 | 0,14 | 3,47 | 10 | ND52707000K |
| 70 | 74,00 | 0,40 | 40 | 0,35 | 0,14 | 5,20 | 15 | ND52707000M |
| 75 | 79,00 | 0,40 | 45 | 0,30 | 0,12 | 3,70 | 10 | ND52707500K |
| 75 | 79,00 | 0,40 | 45 | 0,30 | 0,12 | 5,55 | 15 | ND52707500M |



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Date: 24.11.2026

| 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 |
|---|---|---|---|---|---|---|---|---|
| 75 | 79,00 | 0,40 | 45 | 0,30 | 0,12 | 7,40 | 20 | ND52707500N |
| 80 | 84,00 | 0,40 | 48 | 0,28 | 0,10 | 3,60 | 10 | ND52708000K |
| 80 | 84,00 | 0,40 | 48 | 0,28 | 0,10 | 5,40 | 15 | ND52708000M |
| 90 | 94,00 | 0,40 | 55 | 0,25 | 0,10 | 4,41 | 10 | ND52709000K |
| 90 | 94,00 | 0,40 | 55 | 0,25 | 0,10 | 6,61 | 15 | ND52709000M |
| 100 | 105,00 | 0,40 | 60 | 0,20 | 0,09 | 4,62 | 10 | ND52710000K |
| 100 | 105,00 | 0,40 | 60 | 0,20 | 0,09 | 6,94 | 15 | ND52710000M |
| 100 | 105,00 | 0,40 | 60 | 0,20 | 0,09 | 9,25 | 20 | ND52710000N |
| 110 | 115,00 | 0,40 | 66 | 0,20 | 0,08 | 5,07 | 10 | ND52711000K |
| 110 | 115,00 | 0,40 | 66 | 0,20 | 0,08 | 7,61 | 15 | ND52711000M |
| 120 | 125,00 | 0,40 | 72 | 0,20 | 0,08 | 7,14 | 15 | ND52712000M |
| 120 | 125,00 | 0,40 | 72 | 0,20 | 0,08 | 4,76 | 10 | ND52712000K |
| 125 | 130,00 | 0,40 | 75 | 0,18 | 0,07 | 5,74 | 10 | ND52712500K |
| 125 | 130,00 | 0,40 | 75 | 0,18 | 0,07 | 8,61 | 15 | ND52712500M |
| 130 | 135,00 | 0,40 | 80 | 0,16 | 0,06 | 5,97 | 10 | ND52713000K |
| 140 | 145,00 | 0,40 | 84 | 0,15 | 0,06 | 5,54 | 10 | ND52714000K |
| 140 | 145,00 | 0,40 | 84 | 0,15 | 0,06 | 8,31 | 15 | ND52714000M |
| 150 | 155,00 | 0,40 | 90 | 0,10 | 0,06 | 6,86 | 10 | ND52715000K |
| 150 | 155,00 | 0,40 | 90 | 0,10 | 0,06 | 10,29 | 15 | ND52715000M |
| 160 | 165,00 | 0,40 | 96 | 0,09 | 0,06 | 7,31 | 10 | ND52716000K |
| 160 | 165,00 | 0,40 | 96 | 0,09 | 0,06 | 10,96 | 15 | ND52716000M |
| 170 | 175,00 | 0,40 | 100 | 0,09 | 0,06 | 7,75 | 10 | ND52717000K |
| 180 | 185,00 | 0,40 | 108 | 0,09 | 0,06 | 8,20 | 10 | ND52718000K |
| 180 | 185,00 | 0,40 | 108 | 0,09 | 0,06 | 12,30 | 15 | ND52718000M |
| 200 | 206,00 | 0,40 | 120 | 0,08 | 0,05 | 9,83 | 10 | ND52720000K |
| 200 | 206,00 | 0,40 | 120 | 0,08 | 0,05 | 14,74 | 15 | ND52720000M |
| 215 | 221,00 | 0,40 | 129 | 0,07 | 0,05 | 10,54 | 10 | ND52721500K |
| 215 | 221,00 | 0,40 | 129 | 0,07 | 0,05 | 15,81 | 15 | ND52721500M |
| 225 | 231,00 | 0,40 | 135 | 0,06 | 0,04 | 11,02 | 10 | ND52722500K |
| 225 | 231,00 | 0,40 | 135 | 0,06 | 0,04 | 16,52 | 15 | ND52722500M |
| 250 | 256,00 | 0,40 | 150 | 0,05 | 0,04 | 12,21 | 10 | ND52725000K |
| 250 | 256,00 | 0,40 | 150 | 0,05 | 0,04 | 18,31 | 15 | ND52725000M |
| 300 | 306,00 | 0,40 | 180 | 0,03 | 0,03 | 14,59 | 10 | ND52730000K |
| 350 | 356,00 | 0,40 | 225 | 0,02 | 0,02 | 9,77 | 5 | ND52735000E |
| 350 | 356,00 | 0,40 | 225 | 0,02 | 0,02 | 11,73 | 6 | ND52735000G |
| 350 | 356,00 | 0,40 | 225 | 0,02 | 0,02 | 19,54 | 10 | ND52735000K |
| 400 | 406,00 | 0,40 | 240 | 0,02 | 0,02 | 11,14 | 5 | ND52740000E |
| 400 | 406,00 | 0,40 | 240 | 0,02 | 0,02 | 13,37 | 6 | ND52740000G |
| 400 | 406,00 | 0,40 | 240 | 0,02 | 0,02 | 22,29 | 10 | ND52740000K |
| 450 | 456,00 | 0,40 | 280 | 0,01 | 0,01 | 12,51 | 5 | ND52745000E |
| 450 | 456,00 | 0,40 | 280 | 0,01 | 0,01 | 15,02 | 6 | ND52745000G |
| 450 | 456,00 | 0,40 | 280 | 0,01 | 0,01 | 25,03 | 10 | ND52745000K |
| 500 | 506,00 | 0,40 | 300 | 0,01 | 0,01 | 16,66 | 6 | ND52750000G |
| 500 | 506,00 | 0,40 | 300 | 0,01 | 0,01 | 27,77 | 10 | ND52750000K |



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Date: 24.11.2026

| 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 |
|---|---|---|---|---|---|---|---|---|
| 500 | 506,00 | 0,40 | 300 | 0,01 | 0,01 | 13,89 | 5 | ND52750000E |



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