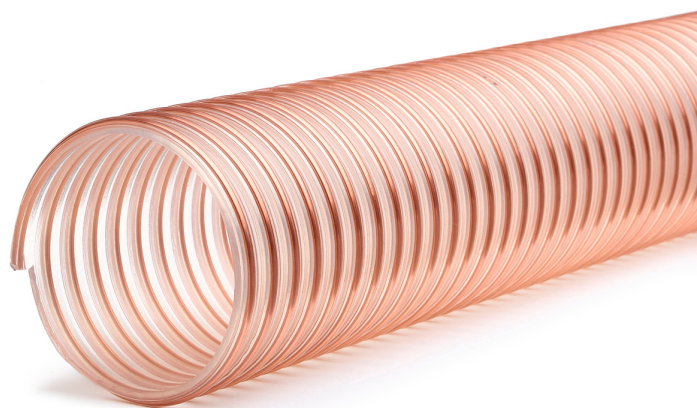


## SMARTFLEX PU 2

Very heavy weight Polyurethane hose, flame retardant

|                     |                                                                                                                                                                                                                                        |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b> | conveying of abrasive media, roof graveling, vacuum conveyor, fish farming, gravel conveying                                                                                                                                           |
| <b>Structure</b>    | TPU / Polyether-Polyurethane, transparent, steel wire / spring steel wire / not coated / copper plated                                                                                                                                 |
| <b>Temperature</b>  | -40°C up to 100°C, short term up to 125°C                                                                                                                                                                                              |
| <b>Properties</b>   | flame-retardant, permanently antistatic ( $R < 10^9$ Ohm), hydrolysis & microbe resistant, very smooth inside, corrugated outside                                                                                                      |
| <b>Norms</b>        | 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 26057-4 |



| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 38                  | 50,00               | 2,00                | 100                 | 3,75                          | 0,95              | 7,48                        | 10         | ND55703800K    |
| 38                  | 50,00               | 2,00                | 100                 | 3,75                          | 0,95              | 11,21                       | 15         | ND55703800M    |
| 40                  | 52,00               | 2,00                | 100                 | 3,75                          | 0,95              | 8,30                        | 10         | ND55704000K    |
| 40                  | 52,00               | 2,00                | 100                 | 3,75                          | 0,95              | 12,46                       | 15         | ND55704000M    |
| 51                  | 63,00               | 2,00                | 126                 | 3,19                          | 0,95              | 15,63                       | 15         | ND55705100M    |
| 51                  | 63,00               | 2,00                | 126                 | 3,19                          | 0,95              | 20,84                       | 20         | ND55705100N    |
| 51                  | 63,00               | 2,00                | 126                 | 3,19                          | 0,95              | 10,42                       | 10         | ND55705100K    |
| 60                  | 72,00               | 2,00                | 150                 | 2,80                          | 0,95              | 12,26                       | 10         | ND55706000K    |
| 60                  | 72,00               | 2,00                | 150                 | 2,80                          | 0,95              | 18,39                       | 15         | ND55706000M    |
| 63                  | 75,00               | 2,00                | 155                 | 2,70                          | 0,95              | 11,70                       | 10         | ND55706300K    |
| 63                  | 75,00               | 2,00                | 155                 | 2,70                          | 0,95              | 17,55                       | 15         | ND55706300M    |
| 65                  | 77,00               | 2,00                | 165                 | 2,60                          | 0,95              | 13,25                       | 10         | ND55706500K    |
| 65                  | 77,00               | 2,00                | 165                 | 2,60                          | 0,95              | 19,87                       | 15         | ND55706500M    |
| 76                  | 88,00               | 2,00                | 190                 | 2,25                          | 0,95              | 13,90                       | 10         | ND55707600K    |
| 76                  | 88,00               | 2,00                | 190                 | 2,25                          | 0,95              | 20,85                       | 15         | ND55707600M    |
| 80                  | 93,00               | 2,00                | 200                 | 2,09                          | 0,95              | 14,63                       | 10         | ND55708000K    |
| 80                  | 93,00               | 2,00                | 200                 | 2,09                          | 0,95              | 21,94                       | 15         | ND55708000M    |
| 102                 | 115,00              | 2,00                | 290                 | 1,90                          | 0,95              | 18,35                       | 10         | ND55710200K    |
| 102                 | 115,00              | 2,00                | 290                 | 1,90                          | 0,95              | 27,53                       | 15         | ND55710200M    |
| 115                 | 128,00              | 2,00                | 320                 | 1,60                          | 0,90              | 20,55                       | 10         | ND55711500K    |
| 115                 | 128,00              | 2,00                | 320                 | 1,60                          | 0,90              | 30,83                       | 15         | ND55711500M    |
| 120                 | 133,00              | 2,00                | 350                 | 1,55                          | 0,90              | 21,38                       | 10         | ND55712000K    |

| 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 |
|---------------------|---------------------|---------------------|---------------------|-------------------------------|-------------------|-----------------------------|------------|----------------|
| 120                 | 133,00              | 2,00                | 350                 | 1,55                          | 0,90              | 32,07                       | 15         | ND55712000M    |
| 127                 | 140,00              | 2,00                | 358                 | 1,45                          | 0,85              | 26,16                       | 10         | ND55712700K    |
| 127                 | 140,00              | 2,00                | 358                 | 1,45                          | 0,85              | 39,25                       | 15         | ND55712700M    |
| 152                 | 165,00              | 2,00                | 462                 | 1,35                          | 0,75              | 40,33                       | 15         | ND55715200M    |
| 152                 | 165,00              | 2,00                | 462                 | 1,35                          | 0,75              | 26,88                       | 10         | ND55715200K    |
| 160                 | 173,00              | 2,00                | 680                 | 1,25                          | 0,70              | 28,24                       | 10         | ND55716000K    |
| 200                 | 213,00              | 2,00                | 900                 | 1,04                          | 0,60              | 35,01                       | 10         | ND55720000K    |
| 250                 | 263,00              | 2,00                | 1.300               | 0,63                          | 0,40              | 43,48                       | 10         | ND55725000K    |