

## Master-PVC LF

### PVC Film/Foil Hose, light, highly flexible



#### Technical Drawing



#### Connections



#### Construction



#### Material

- spiral: spring steel wire, plastic-coated
- wall: soft PVC
- Film thickness between spirals approx. 0.5 - 0.8 mm, dep. on DN size

#### Applications

- Protective hose
- Liquid drainage
- Suction and transport hose for solid, liquid and gaseous media
- Ventilation and air-conditioning systems
- Dust removal
- Apparatus construction
- Spinning fibre extraction
- Transport of fine-grained particles, such as dust and powder

#### Properties

- good oil/alkali/acid resistance
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- light
- very good flexibility
- smallest bending radii
- optimum flow characteristics
- good chemical resistance

### Temperature Range

- -20°C to +70°C
- peaks to +80°C

### Product Variations

| DN  | op. pressure | vacuum | bend radius | outer Ø | weight/m | article no.  | production length |
|-----|--------------|--------|-------------|---------|----------|--------------|-------------------|
|     | bar          | bar    | mm          | mm      | kg       |              | m                 |
| 20  | 1,9          | 0,54   | 20          | 24      | 0,14     | 000450:20:x  | 10/15/20/25       |
| 22  | 1,8          | 0,49   | 22          | 26      | 0,15     | 000450:22:x  | 10/15/20/25       |
| 25  | 1,73         | 0,47   | 24          | 25      | 0,16     | 000450:25:x  | 10/15/20/25       |
| 26  | 1,7          | 0,47   | 25          | 30      | 0,17     | 000450:26:x  | 10/15/20/25       |
| 28  | 1,65         | 0,44   | 28          | 33      | 0,19     | 000450:28:x  | 10/15/20/25       |
| 30  | 1,6          | 0,44   | 30          | 35      | 2,05     | 000450:30:x  | 10/15/20/25       |
| 32  | 1,55         | 0,4    | 32          | 37      | 0,22     | 000450:32:x  | 10/15/20/25       |
| 38  | 1,43         | 0,33   | 38          | 43      | 0,25     | 000450:38:x  | 10/15/20/25       |
| 40  | 1,4          | 0,29   | 40          | 45      | 0,26     | 000450:40:x  | 10/15/20/25       |
| 45  | 1,32         | 0,28   | 45          | 50      | 0,28     | 000450:45:x  | 10/15/20/25       |
| 50  | 1,3          | 0,28   | 50          | 56      | 0,31     | 000450:50:x  | 10/15/20/25       |
| 51  | 1,3          | 0,27   | 51          | 57      | 0,34     | 000450:51:x  | 10/15/20/25       |
| 55  | 1,2          | 0,25   | 55          | 61      | 0,46     | 000450:55:x  | 10/15/20/25       |
| 60  | 1,1          | 0,25   | 60          | 66      | 0,52     | 000450:60:x  | 10/15/20/25       |
| 65  | 1            | 0,22   | 65          | 71      | 0,46     | 000450:65:x  | 10/15/20/25       |
| 70  | 0,9          | 0,22   | 70          | 76      | 0,58     | 000450:70:x  | 10/15/20/25       |
| 75  | 0,8          | 0,2    | 75          | 81      | 0,65     | 000450:75:x  | 10/15/20/25       |
| 76  | 0,79         | 0,2    | 76          | 82      | 0,65     | 000450:76:x  | 10/15/20/25       |
| 80  | 0,77         | 0,18   | 80          | 86      | 0,66     | 000450:80:x  | 10/15/20/25       |
| 90  | 0,7          | 0,17   | 90          | 96      | 0,75     | 000450:90:x  | 10/15/20/25       |
| 100 | 0,6          | 0,15   | 100         | 107     | 0,83     | 000450:100:x | 10/15/20/25       |
| 102 | 0,59         | 0,15   | 102         | 109     | 0,84     | 000450:102:x | 10/15/20/25       |
| 110 | 0,57         | 0,14   | 110         | 117     | 0,89     | 000450:110:x | 10/15/20/25       |
| 115 | 0,51         | 0,14   | 115         | 122     | 0,94     | 000450:115:x | 10/15/20/25       |
| 120 | 0,45         | 0,13   | 120         | 127     | 0,97     | 000450:120:x | 10/15/20/25       |
| 125 | 0,4          | 0,12   | 125         | 132     | 1,03     | 000450:125:x | 10/15/20/25       |
| 127 | 0,38         | 0,12   | 127         | 134     | 1,04     | 000450:127:x | 10/15/20/25       |
| 130 | 0,35         | 0,12   | 130         | 137     | 1,05     | 000450:130:x | 10/15/20/25       |
| 140 | 0,3          | 0,11   | 140         | 147     | 1,13     | 000450:140:x | 10/15/20/25       |
| 150 | 0,25         | 0,11   | 150         | 157     | 1,24     | 000450:150:x | 10/15/20/25       |
| 152 | 0,25         | 0,1    | 168         | 159     | 1,32     | 000450:152:x | 10/15/20/25       |
| 160 | 0,25         | 0,1    | 240         | 168     | 1,64     | 000450:160:x | 10/15/20/25       |
| 170 | 0,25         | 0,1    | 255         | 178     | 1,74     | 000450:170:x | 10/15/20/25       |
| 175 | 0,25         | 0,1    | 265         | 183     | 1,9      | 000450:175:x | 10/15/20/25       |
| 180 | 0,22         | 0,1    | 285         | 188     | 1,95     | 000450:180:x | 10/15/20/25       |
|     |              |        |             |         |          |              |                   |

|     |      |      |     |     |      |              |             |
|-----|------|------|-----|-----|------|--------------|-------------|
| 200 | 0,2  | 0,1  | 300 | 208 | 2,17 | 000450:200:x | 10/15/20/25 |
| 203 | 0,2  | 0,1  | 305 | 211 | 2,19 | 000450:203:x | 10/15/20/25 |
| 215 | 0,2  | 0,09 | 325 | 223 | 2,25 | 000450:215:x | 10/15/20/25 |
| 225 | 0,15 | 0,08 | 340 | 233 | 2,31 | 000450:225:x | 10/15/20/25 |
| 250 | 0,12 | 0,07 | 375 | 259 | 2,56 | 000450:250:x | 10/15/20/25 |
| 254 | 0,12 | 0,07 | 380 | 263 | 2,6  | 000450:254:x | 10/15/20/25 |
| 300 | 0,08 | 0,06 | 450 | 309 | 3,07 | 000450:300:x | 10/15/20/25 |
| 315 | 0,08 | 0,05 | 475 | 324 | 3,28 | 000450:315:x | 10/15/20/25 |
| 325 | 0,08 | 0,05 | 490 | 334 | 3,33 | 000450:325:x | 10/15/20/25 |
| 350 | 0,06 | 0,04 | 525 | 359 | 3,58 | 000450:350:x | 10/15/20/25 |
| 400 | 0,05 | 0,02 | 600 | 409 | 4,1  | 000450:400:x | 10/15/20/25 |

All data refers to a medium and ambient temperature of +20 °C.

\* Refers to the inner hose lining

Subject to technical changes and colour deviations.

#### Manufacturing and Delivery

- Made-to-order production in the above-mentioned nominal widths and lengths, in grey or transparent

#### Available on request

- Available on request in other lengths, sizes and colours, with print.