

# PU HOSE - HEAVY DUTY

**Ether Grade & Food Grade**

**Wall Thickness: 1.2 mm**

Since 1990

# FLEXAFLEX



## Structure:



Wall made of highly abrasion resistant Polyether - Polyurethane - as microbes and hydrolysis resistant version. Shore A ~85, copper-plated spring steel spiral embedded into the wall.

## Wall Thickness:



1.2 mm

## Characteristics:



Flexible and heavy hose with a smooth interior, high tensile strength, excellent abrasion resistance, and superior elongation. Free from softeners, halogen-free, physiologically safe, and cadmium-free.

Acc. to TRGS 727 and ATEX 2014/34 EU, with earthing at both ends of the spiral for nonflammable dusts and bulks solids in Zone 22. Gases and liquids with low conductivity of electrostatic charges in Zone 2

## Temperature range:



-40°C to + 90°C (short-term up to + 125°C)

## Colour:



Transparent,

## Applications:



Suction and conveying of abrasive particles and granules

## Specials:



**Also available as Flame Retardant Permantly Antistatic**

|  |  |  |  |  |  |  |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| int mm                                                                              | Out mm                                                                              | mm                                                                                  | mm                                                                                  | kg/m app.                                                                            | mbar                                                                                  | bar                                                                                   |
| 32                                                                                  | 40                                                                                  | 1.2                                                                                 | 32                                                                                  | 0.396                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 35                                                                                | 43                                                                                  | 1.2                                                                                 | 35                                                                                  | 0.430                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 38                                                                                | 46                                                                                  | 1.2                                                                                 | 38                                                                                  | 0.465                                                                                | 700                                                                                   | 3.0                                                                                   |
| 40                                                                                  | 48                                                                                  | 1.2                                                                                 | 40                                                                                  | 0.488                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 42                                                                                | 50                                                                                  | 1.2                                                                                 | 42                                                                                  | 0.511                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 45                                                                                | 53                                                                                  | 1.2                                                                                 | 45                                                                                  | 0.545                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 48                                                                                | 56                                                                                  | 1.2                                                                                 | 48                                                                                  | 0.580                                                                                | 700                                                                                   | 3.0                                                                                   |
| ★ 50                                                                                | 58                                                                                  | 1.2                                                                                 | 50                                                                                  | 0.603                                                                                | 700                                                                                   | 3.0                                                                                   |
| 51                                                                                  | 59                                                                                  | 1.2                                                                                 | 51                                                                                  | 0.614                                                                                | 600                                                                                   | 2.5                                                                                   |
| 55                                                                                  | 63                                                                                  | 1.2                                                                                 | 55.66                                                                               | 0.660                                                                                | 600                                                                                   | 2.5                                                                                   |
| 60                                                                                  | 68                                                                                  | 1.2                                                                                 | 60.72                                                                               | 0.718                                                                                | 600                                                                                   | 2.5                                                                                   |
| ★ 65                                                                                | 73                                                                                  | 1.2                                                                                 | 65.78                                                                               | 0.775                                                                                | 600                                                                                   | 2.5                                                                                   |

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## Ether Grade & Food Grade

|  int mm |  Out mm |  mm |  mm |  kg/m app. |  mbar |  bar |
|------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|
| 70                                                                                       | 78                                                                                       | 1.2                                                                                  | 70.84                                                                                | 0.807                                                                                        | 600                                                                                      | 2.5                                                                                     |
| ★ 75                                                                                     | 83                                                                                       | 1.2                                                                                  | 75.90                                                                                | 0.863                                                                                        | 600                                                                                      | 2.5                                                                                     |
| ★ 76                                                                                     | 84                                                                                       | 1.2                                                                                  | 76.91                                                                                | 0.874                                                                                        | 600                                                                                      | 2.5                                                                                     |
| ★ 80                                                                                     | 88                                                                                       | 1.2                                                                                  | 80.96                                                                                | 0.919                                                                                        | 500                                                                                      | 2.0                                                                                     |
| ★ 83                                                                                     | 91                                                                                       | 1.2                                                                                  | 84.00                                                                                | 0.953                                                                                        | 500                                                                                      | 2.0                                                                                     |
| 90                                                                                       | 98                                                                                       | 1.2                                                                                  | 91.08                                                                                | 10.31                                                                                        | 500                                                                                      | 2.0                                                                                     |
| 100                                                                                      | 109                                                                                      | 1.2                                                                                  | 101.20                                                                               | 1335                                                                                         | 500                                                                                      | 2.0                                                                                     |
| 102                                                                                      | 111                                                                                      | 1.2                                                                                  | 103.22                                                                               | 1361                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 110                                                                                      | 119                                                                                      | 1.2                                                                                  | 111.32                                                                               | 1465                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 120                                                                                      | 129                                                                                      | 1.2                                                                                  | 121.44                                                                               | 1596                                                                                         | 420                                                                                      | 1.5                                                                                     |
| ★ 125                                                                                    | 134                                                                                      | 1.2                                                                                  | 126.50                                                                               | 1661                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 127                                                                                      | 136                                                                                      | 1.2                                                                                  | 128.52                                                                               | 1687                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 130                                                                                      | 139                                                                                      | 1.2                                                                                  | 131.56                                                                               | 1727                                                                                         | 420                                                                                      | 1.5                                                                                     |
| ★ 140                                                                                    | 149                                                                                      | 1.2                                                                                  | 141.68                                                                               | 1857                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 150                                                                                      | 159                                                                                      | 1.2                                                                                  | 151.80                                                                               | 1988                                                                                         | 420                                                                                      | 1.5                                                                                     |
| ★ 152                                                                                    | 161                                                                                      | 1.2                                                                                  | 153.82                                                                               | 2014                                                                                         | 420                                                                                      | 1.5                                                                                     |
| 160                                                                                      | 169                                                                                      | 1.2                                                                                  | 161.92                                                                               | 2118                                                                                         | 330                                                                                      | 1.0                                                                                     |
| 175                                                                                      | 184                                                                                      | 1.2                                                                                  | 177.10                                                                               | 2314                                                                                         | 330                                                                                      | 1.0                                                                                     |
| 180                                                                                      | 189                                                                                      | 1.2                                                                                  | 182.16                                                                               | 2380                                                                                         | 330                                                                                      | 1.0                                                                                     |
| ★ 200                                                                                    | 209                                                                                      | 1.2                                                                                  | 202.40                                                                               | 2610                                                                                         | 330                                                                                      | 1.0                                                                                     |
| 203                                                                                      | 212                                                                                      | 1.2                                                                                  | 205.44                                                                               | 2680                                                                                         | 330                                                                                      | 1.0                                                                                     |
| 225                                                                                      | 234                                                                                      | 1.2                                                                                  | 227.70                                                                               | 2968                                                                                         | 330                                                                                      | 1.0                                                                                     |
| 254                                                                                      | 263                                                                                      | 1.2                                                                                  | 257.05                                                                               | 3294                                                                                         | 250                                                                                      | 0.7                                                                                     |
| ★ 280                                                                                    | 289                                                                                      | 1.2                                                                                  | 283.36                                                                               | 3686                                                                                         | 250                                                                                      | 0.7                                                                                     |
| 305                                                                                      | 314                                                                                      | 1.2                                                                                  | 308.66                                                                               | 3498                                                                                         | 250                                                                                      | 0.7                                                                                     |
| 354                                                                                      | 363                                                                                      | 1.2                                                                                  | 358.25                                                                               | 4601                                                                                         | 250                                                                                      | 0.7                                                                                     |

● All technical data are subject to dimensional tolerances of  $\pm 0.5\%$ .

● All technical data, measured at 23°C, are general orientation values and are subject to production-related tolerances.  
Max.operating pressures apply only for short periods. We reserve the right to make technical changes and color deviations.

★ All These sizes are not in our ready stocks. Can be arranged on bulk orders.

● Further diameters upon Bulk order request

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**FLEXAFLEX HOSES INDUSTRIES**

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