

# Master PUR H型食品级软管 Master-PUR H Food

PU抽吸/输送软管，中型，食品级  
PU suction and transport hose, medium weight, food quality (FDA)



推荐连接件  
recommended  
connecting elements:



见18-23章  
see also register no. 18-23

## 材料

管壁: 100%聚酯型聚氨酯，食品级  
螺旋: 不锈钢螺旋钢丝（材料型号1.4310）

## Material

hose wall: 100 % polyether polyurethane,  
food quality (FDA)  
spiral: non rusting spring steel wire  
(material no.1.4310)

## 应用

- 在食品行业经过认证的输送/抽吸软管，适用于固体和液体
- 医药行业
- 化学行业

## Applications

- certified transport and suction hose for solid and liquid food in the
- food industry
- pharmaceutical industry
- chemical industry

## 属性

- 原材料符合食品行业的法律法规
- 防微生物和防水解
- 无味，无臭
- 极易弯曲
- 很小的弯曲半径
- 气密性
- 几乎光滑的内壁
- 极佳的流动性
- 高拉伸强度和断裂伸长
- 无塑化剂和卤化剂
- 良好的抗紫外线和耐臭氧性
- 很好的化学性
- 根据TRBS 2153要求，适合非可燃粉尘/颗粒和低导电性的气体/液体。螺旋金属圈两端应接地，以确保消除静电。
- 符合RoHS标准

## Properties

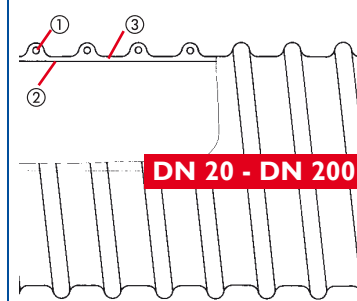
- the raw materials comply with the legal foodstuffs directives:
  - EC line:2002/72/EC
  - 2007/19/EC
  - 2008/39/EC
- FDA-directives:
  - 21 CFR 177.2600
  - 21 CFR 178.2010
- microbe and hydrolysis resistant
- taste and odourless
- very flexible
- improved pressure and vacuum characteristics
- small bend radius
- gas tight
- nearly smooth inside
- optimum flow characteristics
- high tensile and burst strength
- free of plastisizers and halogens
- generally good UV and ozone resistance
- good chemical resistance
- acc.to TRBS 2153 (zone 1,21) suitable for non-combustible dusts/bulk goods and gases/liquids of low conductivity.Spiral ends shall be earthed at both sides to ensure static dissipation
- RoHS compliant

## 温度范围

- - 40 °C 至 90 °C
- 短时间可达+125 °C

## Temperature Range

- -40 °C up to +90 °C
- intermittent to +125 °C



## 结构

- ① 不动的不锈钢螺旋钢丝
- ② 管壁: 聚酯型聚氨酯，食品级。防微生物和防水解
- ③ 壁厚是1.4mm

## Construction

- ① immovable cast spring steel spiral, made of stainless steel
- ② hose wall: polyether polyurethane, food quality, microbe and hydrolysis resistant
- ③ wall thickness between spirals ca. 1,4 mm

## 耐化学性

参见本目录第27章  
技术参数，客户要求和运输标准见  
后页

## Chem.Resistance

see resistance table register no.27

Technical Data,custom designs and forms  
of delivery see back page



**Masterflex**

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| 内径<br>mm | 工作压力<br>bar             | 真空压力<br>mm WG            | 弯曲半径<br>mm*              | 外径<br>mm           | 重量<br>kg/m        | 产品号         |
|----------|-------------------------|--------------------------|--------------------------|--------------------|-------------------|-------------|
| DN<br>mm | work.pressure<br>ca.bar | low pressure<br>ca.mm WG | bending radius<br>ca.mm* | outer - Ø<br>ca.mm | weight<br>ca.kg/m | article no. |
| 20       | 4,300                   | 9400                     | 45                       | 28                 | 0,25              | 111-020-501 |
| 25       | 4,160                   | 9400                     | 50                       | 33                 | 0,31              | 111-025-501 |
| 32       | 3,250                   | 9400                     | 60                       | 41                 | 0,45              | 111-032-501 |
| 38       | 3,120                   | 8400                     | 70                       | 47                 | 0,51              | 111-038-501 |
| 40       | 3,000                   | 8350                     | 75                       | 49                 | 0,52              | 111-040-501 |
| 50       | 2,900                   | 8000                     | 90                       | 61                 | 0,71              | 111-050-501 |
| 60       | 2,550                   | 7500                     | 105                      | 70                 | 0,82              | 111-060-501 |
| 65       | 2,400                   | 6750                     | 115                      | 75                 | 0,89              | 111-065-501 |
| 70       | 2,250                   | 6750                     | 120                      | 80                 | 0,97              | 111-070-501 |
| 75       | 2,000                   | 6000                     | 125                      | 87                 | 1,03              | 111-075-501 |
| 80       | 2,000                   | 6000                     | 135                      | 91                 | 1,12              | 111-080-501 |
| 100      | 1,500                   | 4500                     | 165                      | 112                | 1,30              | 111-100-501 |
| 120      | 1,300                   | 3125                     | 195                      | 131                | 1,50              | 111-120-501 |
| 125      | 1,300                   | 3125                     | 205                      | 138                | 1,63              | 111-125-501 |
| 150      | 1,050                   | 2500                     | 245                      | 163                | 1,92              | 111-150-501 |
| 160      | 0,900                   | 2500                     | 255                      | 171                | 2,22              | 111-160-501 |
| 180      | 0,750                   | 1875                     | 285                      | 191                | 2,61              | 111-180-501 |
| 200      | 0,750                   | 1875                     | 325                      | 215                | 2,89              | 111-200-501 |

\* 表示参照软管的内壁。

上述所有数据都是在环境温度+20 °C是平均值，  
有关技术参数和颜色的变动，请参照技术数据表

\* Referring to the inner side of the elbow of hose.

The above mentioned data refer to an average and ambient temperature of +20 °C. Subject to technical changes and colour variations. Please refer to technical data sheet when selecting hose.

## 运输方式:

标准包装:

- 内径20—200mm
- 颜色: 透明
- 产品长度: 10米/卷

可满足客户的其它要求:

- 其它颜色
- 可打印标签
- 特殊长度
- 特殊内径可达250mm

## Delivery forms:

Standard production:

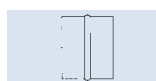
- DN 20 - DN 200
- colour: clear
- production length: 10 m

Available on request:

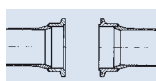
- coloured
- with overprint
- special lengths
- special diameters up to DN 250

相配的装配连接件 (见第18-23章)

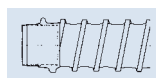
Installation and connection possibilities (see register no. 18-23):



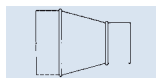
软管连接件\*  
hose connector\*



带有法兰的金属插头\*  
metal socket with  
cone flange\*



热收缩套  
heat shrink cuff



对称性变径接头\*  
hose reducer,  
symmetrical\*