

# KLEGAINE GPU-M



## GENERAL INDUSTRY

Industrial ducting hoses  
Polyurethane



### APPLICATIONS

Ideal in the wood working industries, foundries and other general applications.  
Ideal for the conveyance of powders, abrasives particles, dust, sawdust, chips, textile fibers, metal filings.  
Industrial vacuum cleaners.  
Suitable for fume extraction in chemical and oil industries.  
Wire conduit in robots and machine tool.

### ADVANTAGES

- <sup>1</sup> Light and very flexible, flexible at low temperature.
- <sup>1</sup> Outstanding resistance to abrasion and piercing.
- <sup>1</sup> Excellent flex properties and resistance when used in motion.
- <sup>1</sup> Copper-coated steel helix, crush resistant.
- <sup>1</sup> Very smooth inner tube ensures optimum flow.
- <sup>1</sup> Good resistance to ozone and UV.
- <sup>1</sup> Good resistance to most of oils, solvents and industrial chemicals in the vapour phase at moderate concentration.

### TECHNICAL DESCRIPTION

Ester-base polyurethane wall, transparent, smooth inside.

Reinforcement: copper-coated steel helix.

Temperature range: -30°C to +100°C.

Electrical properties: non conductive. Both ends of the helix can be connected to the couplings/fittings, if conductivity is required.

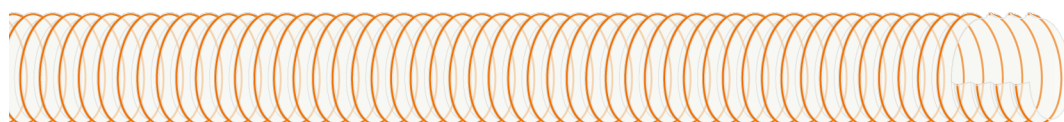
Special properties: Abrasion ISO 4649: 30mm<sup>3</sup>.  
Halogen and plastiziser free.

### COUPLINGS/FITTINGS

Standard: connexion by clamp.

### COMPLEMENTARY INFORMATION

Technical data for working conditions at 20°C temperature.



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| ID<br>mm | WALL<br>THICKNESS<br>mm | WORKING<br>PRESSURE<br>bar | MAX. VACUUM<br>bar | BENDING<br>RADIUS<br>mm | WEIGHT<br>kg/m | LENGTH<br>m | ARTICLE<br>NUMBER | STOCK (1) or<br>min. order<br>m |
|----------|-------------------------|----------------------------|--------------------|-------------------------|----------------|-------------|-------------------|---------------------------------|
| 25.0     | 0.5 ±0.05               | 1.65                       | 0.40               | 25                      | 0.2            | 10          | 5009226           | 10                              |
| 30.0     | 0.5 ±0.05               | 1.6                        | 0.35               | 30                      | 0.24           | 10          | 5009227           | 10                              |
| 32.0     | 0.5 ±0.05               | 1.4                        | 0.30               | 32                      | 0.26           | 10          | 5604095           | 10                              |
| 35.0     | 0.5 ±0.05               | 1.4                        | 0.30               | 35                      | 0.28           | 10          | 5009228           | 10                              |
| 40.0     | 0.5 ±0.05               | 1.4                        | 0.30               | 40                      | 0.34           | 10          | 0085531           | 10                              |
| 45.0     | 0.5 ±0.05               | 1.4                        | 0.30               | 45                      | 0.39           | 10          | 0085532           | 10                              |
| 50.0     | 0.5 ±0.05               | 1.3                        | 0.28               | 50                      | 0.4            | 10          | 0085533           | 1                               |
| 60.0     | 0.5 ±0.05               | 1.1                        | 0.25               | 60                      | 0.47           | 10          | 0085534           | 10                              |
| 65.0     | 0.5 ±0.05               | 1.1                        | 0.23               | 65                      | 0.49           | 10          | 0085535           | 10                              |
| 70.0     | 0.5 ±0.05               | 1                          | 0.23               | 70                      | 0.54           | 10          | 0085536           | 10                              |
| 75.0     | 0.5 ±0.05               | 0.8                        | 0.20               | 75                      | 0.6            | 10          | 0085537           | 10                              |
| 76.0     | 0.5 ±0.05               | 0.8                        | 0.20               | 76                      | 0.6            | 10          | 5009230           | 10                              |
| 80.0     | 0.5 ±0.05               | 0.7                        | 0.18               | 80                      | 0.62           | 10          | 0085538           | 10                              |
| 90.0     | 0.5 ±0.05               | 0.7                        | 0.18               | 90                      | 0.71           | 10          | 0085539           | 10                              |
| 100.0    | 0.6 ±0.05               | 0.6                        | 0.15               | 100                     | 0.87           | 10          | 0085540           | 1                               |
| 102.0    | 0.6 ±0.05               | 0.6                        | 0.15               | 102                     | 0.87           | 10          | 5009231           | 10                              |
| 110.0    | 0.6 ±0.05               | 0.5                        | 0.15               | 110                     | 0.93           | 10          | 0085541           | 10                              |
| 120.0    | 0.6 ±0.05               | 0.45                       | 0.12               | 120                     | 1              | 10          | 0085542           | 10                              |
| 125.0    | 0.6 ±0.05               | 0.4                        | 0.12               | 125                     | 1.08           | 10          | 5009232           | 1                               |
| 130.0    | 0.6 ±0.05               | 0.3                        | 0.11               | 130                     | 1.1            | 10          | 0085543           | 10                              |
| 140.0    | 0.6 ±0.05               | 0.3                        | 0.10               | 140                     | 1.19           | 10          | 0085544           | 10                              |
| 150.0    | 0.6 ±0.05               | 0.25                       | 0.10               | 150                     | 1.29           | 10          | 0085545           | 1                               |
| 160.0    | 0.6 ±0.05               | 0.25                       | 0.10               | 160                     | 1.36           | 10          | 0085546           | 10                              |
| 180.0    | 0.85 ±0.05              | 0.2                        | 0.09               | 180                     | 2.05           | 10          | 0085547           | 10                              |
| 200.0    | 0.85 ±0.05              | 0.18                       | 0.09               | 200                     | 2.23           | 10          | 0085548           | 10                              |
| 203.0    | 0.85 ±0.05              | 0.18                       | 0.09               | 203                     | 2.23           | 10          | 5009233           | 10                              |
| 225.0    | 0.85 ±0.05              | 0.15                       | 0.08               | 225                     | 2.41           | 10          | 0085549           | 10                              |
| 250.0    | 0.85 ±0.05              | 0.15                       | 0.08               | 250                     | 2.77           | 10          | 0085550           | 10                              |
| 300.0    | 0.85 ±0.05              | 0.12                       | 0.06               | 300                     | 3.29           | 10          | 0085551           | 10                              |
| 350.0    | 0.85 ±0.05              | 0.1                        | 0.06               | 350                     | 3.84           | 10          | 0085552           | 10                              |
| 400.0    | 0.85 ±0.05              | 0.08                       | 0.02               | 400                     | 4.39           | 5           | 5009234           | 5                               |
| 500.0    | 0.85 ±0.05              | 0.04                       | 0.01               | 500                     | 5.49           | 5           | 5009235           | 5                               |

Tolerance on length: ±1% (ISO 1307 Standard).

Digital version

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