

# GH HILCOFLEX

## MULTIPURPOSE HOSE WITH RUBBERIZED LINING AND JACKET

### MATERIAL CONSTRUCTION

#### Jacket lining:

- Warp: High-tenacity polyester Weft: Polyamide/polyester; circular woven
- The special jacket construction ensures minimal elongation, outstanding adhesion and much lower pressure loss compared to a 100% polyester jacket lining
- Totally embedded in the rubber, offering optimum protection against mechanical damage

#### Rubberized lining and jacket:

- Very high-grade NBR/PVC compound, extruded through the weave in a special one-step production process
- Special additives in the compound guarantee outstanding resistance to aging and ozone
- Inside: Very smooth for minimal pressure loss
- Outside: Ribbed for excellent abrasion resistance, protection against contact heat

### ADVANTAGES

- ✓ Resistant to abrasion, tough and durable
- ✓ Resistant to oil, gasoline and chemicals (see resistance table)
- ✓ Resistant to heat, aging and ozone
- ✓ Very low pressure loss and minimal elongation
- ✓ Very lightweight, flexible and pressure-resistant compared to mandrel-wound industrial hoses
- ✓ For heavy-duty use

### AT A GLANCE

#### Standard lengths

- 100 m

**i** Other lengths available on request (possibly with cutting fee)

#### Temperature ranges

-20 °C bis 80 °C

(Specifications apply to Water)

#### Standard colors

black

#### Areas of application

- Construction and industry
- Agriculture and mining
- Liquids (incl. hot water) and compressed air
- Irrigation hose and liquid manure distribution
- Sewer cleaning and cable protection
- For heavy-duty use

### CONTACT

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## **PRESSURES**

### **Working pressure:**

Specifications apply only to the hose (medium water, 20 °C). The potential working pressure may be lower than specified above for hose lines with couplings due to the nominal pressure of the couplings or the type of assembly. For compressed air, the maximum working pressure is 25% of the burst pressure.

### **Maximum working pressure:**

Approval can only be given by the manufacturer upon clarification of the exact area of application.

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DATASHEET **METRIC**

| Inside diameter<br>in<br>mm | Weight<br>in<br>g/m | Wall thickness<br>in<br>mm | Working pressure<br>in<br>bar | Max. working<br>pressure<br>in<br>bar | Burst pressure<br>in<br>bar | Tensile strength<br>in<br>kg |
|-----------------------------|---------------------|----------------------------|-------------------------------|---------------------------------------|-----------------------------|------------------------------|
| 20                          | 180                 | 2                          | 30                            | 36                                    | 90                          | 1000                         |
| 26                          | 210                 | 2.2                        | 30                            | 36                                    | 90                          | 1200                         |
| 32                          | 240                 | 2.2                        | 20                            | 24                                    | 60                          | 1600                         |
| 38                          | 300                 | 2.3                        | 16                            | 20                                    | 50                          | 1700                         |
| 40                          | 310                 | 2.3                        | 16                            | 20                                    | 50                          | 1700                         |
| 45                          | 340                 | 2.3                        | 16                            | 20                                    | 50                          | 3000                         |
| 52                          | 400                 | 2.5                        | 16                            | 20                                    | 50                          | 3900                         |
| 55                          | 420                 | 2.5                        | 16                            | 20                                    | 50                          | 3900                         |
| 60                          | 550                 | 2.5                        | 16                            | 20                                    | 50                          | 4100                         |
| 65                          | 570                 | 2.5                        | 16                            | 20                                    | 50                          | 4300                         |
| 70                          | 600                 | 2.8                        | 16                            | 20                                    | 50                          | 6300                         |
| 76                          | 650                 | 2.9                        | 16                            | 20                                    | 50                          | 6500                         |
| 80                          | 800                 | 3.1                        | 16                            | 20                                    | 50                          | 7500                         |
| 90                          | 900                 | 3.1                        | 16                            | 20                                    | 50                          | 8500                         |
| 102                         | 1000                | 3.1                        | 16                            | 20                                    | 50                          | 9500                         |
| 110                         | 1200                | 3.1                        | 15                            | 18                                    | 45                          | 10500                        |
| 120                         | 1400                | 3.5                        | 14                            | 17                                    | 42                          | 11000                        |
| 127                         | 1400                | 3.5                        | 14                            | 17                                    | 42                          | 17000                        |
| 152                         | 1800                | 3.7                        | 14                            | 17                                    | 42                          | 17900                        |
| 203                         | 2600                | 3.9                        | 10                            | 12                                    | 30                          | 26900                        |
| 254                         | 4000                | 4.5                        | 10                            | 12                                    | 35                          | 43200                        |
| 305                         | 5000                | 4.6                        | 10                            | 12                                    | 35                          | 45000                        |

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