

# GH HILCOFLEX PU

## POLYURETHANE MULTI-PURPOSE HOSE

### MATERIAL CONSTRUCTION

#### Jacket lining:

- High-tenacity polyester yarn, circular woven
- Specially designed for high continuous working pressures, high tensile strength and very little elongation under pressure
- Totally embedded in the polyurethane, offering optimum protection against mechanical damage

#### Lining and jacket:

- Thermoplastic polyether polyurethane, extruded through the weave in a special one-step production process
- Highly resistant to abrasion, 4–5 times longer service life than nitrile hoses
- Inside: Very smooth for minimal pressure loss
- Outside: Very smooth for good flexibility

### ADVANTAGES

- ✓ Outstanding resistance to abrasion
- ✓ Extremely tough, hard-wearing and durable
- ✓ Resistant to oil, gasoline and chemicals (see resistance table)
- ✓ Resistant to aging and ozone
- ✓ More lightweight and flexible than mandrel-wound industrial hoses
- ✓ Stays flexible at cold temperatures

### AT A GLANCE

#### Standard lengths

- 100 m
- 200 m

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

#### Temperature ranges

-50 °C bis 75 °C

#### Standard colors

green black

#### Areas of application

- Construction
- Industry
- Waste disposal
- Agriculture
- Mining
- Transporting abrasive liquids
- Irrigation and liquid manure distribution
- For heavy-duty use

### CONTACT

Gollmer & Hummel GmbH  
Gässlesweg 23  
75334 Straubenhardt

**T** +49 (0) 7082 9434-0

**F** +49 (0) 7082 9434-99

**E** [info@gollmer-hummel.com](mailto:info@gollmer-hummel.com)

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.

Order hose sample >>

DATASHEET METRIC

Inside diameter in mm	Weight in g/m	Wall thickness in mm	Working pressure in bar	Max. working pressure in bar	Burst pressure in bar	Tensile strength in kg
52	430	2.4	16	20	50	5000
65	630	2.6	16	20	50	6300
76	700	2.8	16	20	50	8800
90	950	2.9	14	17	42	10900
102	1150	3.3	14	17	42	13800
114	1300	3.3	14	17	42	13800
127	1500	3.4	14	17	42	17000
152	1700	3.7	14	17	42	17900
185	2500	4.3	14	17	42	31000
205	3000	4.5	14	17	42	38000
254	4200	5.1	14	17	42	45000
305	5100	5.1	14	17	42	55000
356	6200	5.3	10	14	30	66500

 Specifications apply only to the hose. 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.