GOLLMER & HUMMEL
hoses for heroes

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

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

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	5,000
65	630	2.6	16	20	50	6,300
76	700	2.8	16	20	50	8,800
90	950	2.9	14	17	42	10,900
102	1150	3.3	14	17	42	13,800
114	1300	3.3	14	17	42	13,800
127	1500	3.4	14	17	42	17,000
152	1700	3.7	14	17	42	17,900
185	2500	4.3	14	17	42	31,000
205	3000	4.5	14	17	42	38,000
254	4200	5.1	14	17	42	45,000
305	5100	5.1	14	17	42	55,000
356	6400	5.3	10	14	30	66,500

i 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.