



 **GH HILCOFLEX**

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MULTI-PURPOSE HOSE WITH RUBBERISED LINING AND JACKET

APPLICATIONS

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

FEATURES

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

CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester

Weft: polyamide/polyester; circular woven

- The special jacket construction ensures low 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

Rubberised 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 ageing and ozone
- Lining: very smooth for minimum pressure loss
- Cover: ribbed for excellent abrasion resistance, protection against contact heat

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.

BREAKING STRENGTH

The maximum tensile load in continuous use should not exceed 1/3 of the breaking strength.

STANDARD LENGTH

100 m, cut to length for a surcharge

STANDARD COLOR

Black for all dimensions;

yellow Ø 20, 26, 38, 52, 65, 76, 102, 127

TEMPERATURE

Continuous use -20°C to +80°C (water), Temporary up to +100°C (water)

INDIVIDUAL SOLUTIONS

With * marked diameters on request.

Bore size in mm	Weight in g/m	Wall thickness in mm	Working pressure in bar / PSI	Working pressure max. in bar / PSI	Bursting pressure in bar / PSI	Breaking strength in kg
20	180	2	30 / 435	36 / 520	90 / 1305	1.000
26	210	2,2	30 / 435	36 / 520	90 / 1305	1.200
32	240	2,2	20 / 290	24 / 350	60 / 870	1.600
35	250	2,2	16 / 230	20 / 290	50 / 725	1.600
38	300	2,3	16 / 230	20 / 290	50 / 725	1.700
40	310	2,3	16 / 230	20 / 290	50 / 725	1.700
45	340	2,3	16 / 230	20 / 290	50 / 725	3.000
52	400	2,5	16 / 230	20 / 290	50 / 725	3.900
55	420	2,5	16 / 230	20 / 290	50 / 725	3.900
60	550	2,5	16 / 230	20 / 290	50 / 725	4.100
65	540	2,5	16 / 230	20 / 290	50 / 725	4.300
70	600	2,8	16 / 230	20 / 290	50 / 725	6.300
76	650	2,9	16 / 230	20 / 290	50 / 725	6.500
80*	800	3,1	16 / 230	20 / 290	50 / 725	7.500
90	900	3,1	16 / 230	20 / 290	50 / 725	8.500
102	1.000	3,1	16 / 230	20 / 290	50 / 725	9.500
110	1.200	3,1	15 / 220	18 / 260	45 / 655	10.500
120*	1.400	3,5	14 / 205	17 / 245	42 / 610	11.000
127	1.400	3,5	14 / 205	17 / 245	42 / 610	17.000
152	1.800	3,7	14 / 205	17 / 245	42 / 610	17.900
203	2.600	3,9	10 / 145	12 / 175	30 / 435	26.900
254*	4.200	5,2	10 / 145	12 / 175	30 / 435	43.200
305*	5.000	4,5	10 / 145	12 / 175	30 / 435	45.000