



 **GH HILCOFLEX AGRO**

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## AGRICULTURAL HOSE WITH RUBBERISED LINING AND JACKET

### APPLICATIONS

- Irrigation, especially pivot systems
- Liquid manure distribution
- Slurry and waste-water distribution
- Transport hose for watering and drainage
- For particularly heavy duty

### FEATURES

- Unbeatable resistance to ageing and ozone
- Outstanding abrasion-resistance properties, even on difficult ground surfaces
- Very good resistance to fertilisers, agricultural chemicals and microorganisms
- Very high tensile strength, low pressure loss and elongation
- Excellent adhesion between the rubber and jacket lining
- Tough and durable

### CONSTRUCTION

Jacket lining:

- Warp: high-tenacity polyester, reinforced design

Weft: polyamide/polyester; circular woven

- The special jacket construction ensures outstanding adhesion, tight bending radii and much lower pressure loss compared to a 100% polyester jacket lining
- Very little elongation under pressure thanks to a special weaving and vulcanisation process
- 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
- Inside: very smooth for minimum pressure loss
- Outside: reinforced cover and strong longitudinal ribs for extremely high abrasion resistance

## 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

100/200 m, cut to length for a surcharge

## STANDARD COLOR

Black

## TEMPERATURE

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

## INDIVIDUAL SOLUTIONS

- Colour according to customer specification
- Professional assembly of all coupling systems suited to layflat hoses
- 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
<b>HILCOFLEX AGRO</b>						
52	600	3,3	16 / 230	20 / 290	50 / 725	3.900
65	750	3,3	16 / 230	20 / 290	50 / 725	6.300
76	900	3,3	16 / 230	20 / 290	50 / 725	8.800
90	1.150	3,4	16 / 230	20 / 290	50 / 725	10.900
102	1.350	3,5	16 / 230	20 / 290	50 / 725	12.400
114*	1.450	3,7	15 / 220	18 / 260	45 / 655	12.400
127	1.700	3,9	15 / 220	18 / 260	45 / 655	17.000
152	1.950	3,9	14 / 205	17 / 245	42 / 610	17.900
180*	2.900	4,5	14 / 205	17 / 245	42 / 610	24.000
205	3.500	4,5	10 / 145	12 / 175	30 / 435	26.900
254*	4.200	5,2	10 / 145	12 / 175	30 / 435	43.200
<b>HILCOFLEX AGRO EXTRA</b>						
127	1.950	4,2	15 / 220	18 / 260	45 / 655	17.000
154	2.250	4,2	14 / 205	17 / 245	42 / 610	17.900
<b>HILCOFLEX AGRO EXTRA SUPER HEAVY</b>						
127	2.100	4,5	15 / 220	18 / 260	45 / 655	17.000
150	2.700	4,5	14 / 205	17 / 245	42 / 610	17.900
<b>HILCOFLEX AGRO EXTRA GLATT</b>						
65	900	3,8	16 / 230	20 / 290	50 / 725	6.300
76	1.100	3,8	16 / 230	20 / 290	50 / 725	8.800
90	1.250	3,8	16 / 230	20 / 290	50 / 725	10.900
<b>HILCOFLEX AGRO EXTRA HP</b>						
102*	1.500	4,4	20 / 290	24 / 350	60 / 870	13.500
127*	2.000	4,8	20 / 290	24 / 350	60 / 870	18.100
154*	2.400	4,8	16 / 230	20 / 290	50 / 725	17.900
205*	4.000	5,3	14 / 205	17 / 245	42 / 610	28.800