

# HILCOFLEX AGRO

Rubber covered agricultural hose



The premium quality  
layflat hose  
for agriculture!

## APPLICATIONS

- linear and travelling irrigation
- sludge and slurry disposal
- liquid manure handling
- waste water distribution systems
- heavy duty water transport

## FEATURES

- excellent resistance to weathering, UV and ozone
- superior abrasion resistance, suitable for all ground conditions
- no biodegradation, excellent resistance to agricultural chemicals and fertilizers
- minimum pressure loss, very low elongation
- supreme adhesion level between rubber and textile reinforcement
- very durable and hardwearing for long service life



**GOLLMER & HUMMEL**

— The Hosefactory —

# HILCOFLEX AGRO

## Rubber covered agricultural hose



Bore size (mm) (inch)		Weight (gr/m) (lbs/ft)		Wall thickness (mm) (inch)		Working pressure* (Bar) (PSI)		Bursting pressure (Bar) (PSI)		Breaking strength** (kg) (lbs)		Article code
52	2 "	600	0.40	3.0	0.12	16	250	50	750	4,00	8,800	20500-052000
65	2½"	850	0.57	3.2	0.13	16	250	50	750	6,500	14,300	20500-065000
76	3 "	950	0.64	3.2	0.13	16	250	50	750	8,500	18,700	20500-076000
90	3½"	1,100	0.74	3.4	0.13	16	250	50	750	9,000	19,800	20500-090000
102	4 "	1,350	0.91	3.4	0.13	16	250	50	750	11,000	24,200	20500-102000
110	4⅓"	1,400	0.94	3.4	0.13	16	250	50	750	12,000	26,400	20500-110000
114	4½"	1,450	0.97	3.4	0.13	15	225	45	675	12,000	26,400	20500-114000
127	5 "	1,700	1.14	3.5	0.14	15	225	45	675	13,500	29,700	20500-127000
152	6 "	1,950	1.31	3.5	0.14	14	200	42	600	17,000	37,400	20500-152000

### HILCOFLEX AGRO EXTRA

90	3½"	1,300	0.87	3.8	0.15	16	250	50	750	9,000	19,800	20550-090000
102	4 "	1,600	1.08	3.8	0.15	16	250	50	750	11,000	24,200	20550-102000
127	5 "	1,900	1.28	3.8	0.15	15	225	45	670	13,500	29,700	20550-127000
152	6 "	2,200	1.48	3.8	0.15	14	200	42	600	17,000	37,400	20550-152000

Standard lengths : 100 / 200 m (330 ft / 660 ft), other lengths on request

Standard colour : black

Service temperature: -20°C up to +100°C (-4°F up to 212°F), based on water

Tolerances can be found in the technical appendix

Change in technical specification without prior notice

10 Bar = 1 MPa

\* technical data based on water. For air pressure the minimum safety ratio is 1:4. Depending on the application our product can be operated with a maximum working pressure up to 50% of the bursting pressure. Consult factory for approval!

It is important to note, that the technical data for pressure are only valid for hose and not for hose assembly with couplings!

\*\* to obtain maximum lifetime the end pull under working conditions should not exceed 1/3 of the breaking strength

## CONSTRUCTION

### Textile reinforcement:

- warp: high tenacity polyester; heavy duty construction, ultra-high tensile strength  
weft: polyamide, circular woven
- the special weaving design offers a superior adhesion level and flow performance compared to an all polyester weave
- very low elongation due to a special manufacturing process
- totally embedded in the rubber compound, excellent protected against mechanical damage

### Lining and cover:

- special high grade formulated NBR / PVC compound extruded "through the weave" in a unique one step production process
- special additives in the compound guarantee superior UV and ageing resistance

- inside: very smooth for minimum friction loss
- outside: ribbed and very thick for excellent abrasion resistance

## SPECIAL OPTIONS

- HILCOFLEX AGRO NYLON, supreme bending radius
- colour according to customer specification

Note that special options are subject to a higher price and a minimum order of 1,000 m ( 3,300 ft.) per dimension. Production short lengths and over-production up to 10% of the total order quantity have to be accepted.

Enquire for details!



GOLLMER & HUMMEL GMBH  
Gässlesweg 34  
D-75334 Straubenhardt  
(Industriegebiet Feldrennach)

**GOLLMER & HUMMEL**  
— The Hosefactory —

Telefon +49 (0) 7082 / 9434-0  
Telefax +49 (0) 7082 / 9434-99  
info@gollmer-hummel.de  
www.gollmer-hummel.de