

HILCOFLEX

Rubber covered multipurpose hose



The extruded layflat hose for a variety of applications!

APPLICATIONS

- construction sites and industry
- agriculture and mining
- water transfer and compressed air
- irrigation supply and draining
- lightweight sludge supply
- cable cover and protection

FEATURES

- hardwearing and very abrasion resistant
- resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- resistance to heat, weathering and ozone
- minimum pressure loss, very low elongation
- very flexible and lightweight compared to mandril built hoses
- no cleaning and drying required



GOLLMER & HUMMEL

— The Hosefactory —

HILCOFLEX

Rubber covered multipurpose 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
20	3/4"	160	0.11	2.0	0.08	25	365	75	1,100	1,000	2,200	20000-020000
26	1"	180	0.12	2.0	0.08	25	365	75	1,100	1,200	2,600	20000-026000
32	1 1/4"	230	0.15	2.0	0.08	20	300	60	900	1,600	3,500	20000-032000
35	1 3/8"	250	0.17	2.0	0.08	16	250	50	750	1,600	3,500	20000-035000
38	1 1/2"	280	0.19	2.0	0.08	16	250	50	750	1,700	3,700	20000-038000
45	1 3/4"	350	0.24	2.2	0.09	16	250	50	750	3,000	6,600	20000-045000
52	2"	400	0.27	2.2	0.09	16	250	50	750	3,700	8,100	20000-052000
55	2 1/6"	440	0.30	2.2	0.09	16	250	50	750	3,800	8,300	20000-055000
60	2 1/3"	470	0.32	2.2	0.09	16	250	50	750	4,100	9,000	20000-060000
65	2 1/2"	510	0.34	2.2	0.09	16	250	50	750	4,300	9,400	20000-065000
70	2 3/4"	600	0.40	2.3	0.09	16	250	50	750	6,300	13,800	20000-070000
76	3"	680	0.46	2.5	0.10	16	250	50	750	6,500	14,300	20000-076000
80	3 1/5"	750	0.50	2.5	0.10	16	250	50	750	7,500	16,500	20000-080000
90	3 1/2"	900	0.61	2.8	0.11	16	250	50	750	8,500	18,700	20000-090000
102	4"	1,000	0.67	2.8	0.11	16	250	50	750	9,500	20,900	20000-102000
110	4 1/3"	1,100	0.74	3.0	0.12	16	250	50	750	10,500	23,100	20000-110000
114	4 1/2"	1,150	0.77	3.0	0.12	15	225	45	675	10,800	23,800	20000-114000
120	4 2/3"	1,300	0.87	3.0	0.12	15	225	45	675	11,000	24,200	20000-120000
127	5"	1,400	0.94	3.0	0.12	15	225	45	675	12,000	26,400	20000-127000
152	6"	1,700	1.14	3.0	0.12	14	200	42	600	14,000	30,800	20000-152000
203	8"	2,400	1.61	3.3	0.13	14	200	42	600	18,000	39,700	20000-203000
254	10"	in preparation										20000-254000
305	12"	in preparation										20000-305000

Standard length : 100 m (330 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
weft: polyamide, circular woven
- the special weaving design offers a high tensile strength, superior adhesion level and flow performance compared to an all polyester weave
- 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 for good abrasion resistance and protection against contact heat

SPECIAL OPTIONS

- lengths up to 200 m (660 ft)
- colour according to customer specification
- cold flexible version HILCOFLEX POLAR down to -30°C (-22°F)
- other dimensions

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 overproduction 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