

HILCOFLEX PU

Polyurethane multipurpose hose



The new generation
of extruded layflat hoses
sets new standards in
performance and durability!

APPLICATIONS

- construction sites, waste water industry
- agriculture and mining
- transport of abrasive materials
- flexible pipeline even in extreme terrain
- irrigation and sludge disposal
- for heavy duty service under toughest conditions

FEATURES

- superior abrasion resistance
- extremely hardwearing and durable for long service life
- resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- resistance to weathering and ozone
- flexible and lightweight compared to mandril built hoses, good handling
- excellent cold flexibility



GOLLMER & HUMMEL

— The Hosefactory —

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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
25	1 "	160	0.11	1.6	0.06	16	250	50	750	1,200	2,600	20200-025000
38	1 1/2"	280	0.19	1,8	0.07	16	250	50	750	1,700	3,700	20200-038000
52	2 "	500	0.34	2.6	0.10	20	300	60	900	5,000	11,000	20200-052000
65	2 1/2"	650	0.44	2.6	0.10	20	300	60	900	6,500	14,300	20200-065000
76	3 "	750	0.50	2.8	0.11	16	250	50	750	8,000	17,600	20200-076000
90	3 1/2"	950	0.64	2.8	0.11	14	200	42	600	9,000	19,800	20200-090000
102	4 "	1,150	0.77	3.0	0.12	14	200	42	600	10,000	22,000	20200-102000
127	5 "	1,400	0.94	3.0	0.12	10	150	30	450	12,000	26,400	20200-127000
152	6 "	1,650	1.11	3.0	0.12	10	150	30	450	15,000	33,000	20200-152000
203	8 "	2,200	1.48	3.0	0.12	8	115	24	345	18,500	40,700	20200-203000
254	10 "	2,850	1.92	3.2	0.13	7	100	21	300	23,500	51,800	20200-254000
305	12 "	3,500	2.35	3.3	0.13	5	70	15	210	38,000	83,700	20200-305000
356	14 "	5,600	3.76	4.3	0.17	4	60	12	180	42,000	92,600	20200-356000
HILCOFLEX PU HP												
203	8 "	2,400	1.61	3.3	0.13	10	150	30	450	22,500	49,600	20260-203000
305	12 "	4,900	3.29	4.4	0.17	10	150	30	450	55,000	121,300	20260-305000
HILCOFLEX PU HP 600												
203	8 "	2,700	1.82	4.2	0.17	14	200	42	600	38,000	83,800	20270-203000

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

Standard colour : black

Service temperature: -50°C up to +75°C (-58°F up to 167°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:

- high tenacity polyester yarn, circular woven
- special weaving design for continuous high pressure performance, high tensile strength and low elongation under pressure
- totally embedded in the PU compound, excellent protected against mechanical damage

Lining and cover:

- thermoplastic polyether polyurethane extruded "through the weave" in a unique one step production process
- superior abrasion resistance 4-5 times better than NBR/PVC hoses
- inside: very smooth for minimum friction loss
- outside: very smooth for good flexibility

SPECIAL OPTIONS

- single lengths longer than 200 m (660 ft)
- 52 - 90 mm (2 - 3 1/2") up to 500 m (1,650 ft)
- 102 - 127 mm (4 - 5") up to 400 m (1,320 ft)
- other dimensions

Note that special options are subject to a higher price and a minimum order of 2,000 m (6,600 ft) per dimension. Production short lengths and overproduction up to 10% of the total order quantity have to be accepted.

Enquire for details!



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