

HILCOFLEX PU DRAG

Polyurethane multipurpose hose, heavy duty type



Our premium
polyurethane product –
nothing can cope with it!

APPLICATIONS

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

FEATURES

- superior abrasion resistance
- extremely hardwearing and durable for long service life
- ultra-high tensile strength
- resistance to oil, fuel and a wide range of chemicals (see resistance table in technical appendix)
- resistance to weathering, UV and ozone
- lightweight and easy to handle compared to material handling hose in rubber
- excellent cold flexibility



GOLLMER & HUMMEL

— The Hosefactory —

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Bore size (mm) (inch)	Weight		Wall thickness		Working pressure*		Bursting pressure		Breaking strength**		Article code
	(gr/m)	(lbs/ft)	(mm)	(inch)	(Bar)	(PSI)	(Bar)	(PSI)	(kg)	(lbs)	
52 2 "	600	0.40	3.5	0.14	20	300	60	900	5,000	11,000	20220-052000
65 2 1/2"	800	0.54	3.5	0.14	20	300	60	900	6,500	14,300	20220-065000
76 3 "	950	0.64	3.5	0.14	16	250	50	750	8,000	17,600	20220-076000
90 3 1/2"	1,150	0.77	3.5	0.14	14	200	42	600	12,000	26,400	20220-090000
102 4 "	1,400	0.94	3.5	0.14	14	200	42	600	13,500	29,700	20220-102000
114 4 1/2"	1,500	1.01	3.5	0.14	14	200	42	600	16,000	35,200	20220-114000
127 5 "	1,600	1.08	3.5	0.14	14	200	42	600	17,500	38,500	20220-127000
152 6 "	1,900	1.28	3.5	0.14	10	150	30	450	22,500	49,600	20220-152000

Standard lengths : 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 ultra-high tensile strength, minimum bending radius 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 5-6 times better than NBR/PVC hoses
- inside: very smooth for minimum friction loss
- outside: very smooth for good flexibility, thick wall for unbeatable wear and tear properties

SPECIAL OPTIONS

- HILCOFLEX PU DRAG EXTRA with 4.5 mm (0.18") wall thickness
- 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 over-production up to 10% of the total order quantity have to be accepted.

Enquire for details!



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