

# P-FLEX L

Lightweight PVC layflat hose



Lightweight  
PVC layflat hose  
of the new generation!

## APPLICATIONS

- agriculture and industry
- commercial and civil engineering
- supply line for drip irrigation
- water discharge hose
- protection hose for cables and hydraulic hoses
- light duty applications

## FEATURES

- very lightweight and highly flexible
- small coil diameter
- resistance to weathering and ozone
- low elongation
- excellent layer adhesion compared to conventional PVC layflat hose



**GOLLMER & HUMMEL**

— The Hosefactory —

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## Lightweight PVC layflat hose



Bore size (mm) (inch)		Weight (gr/m) (lbs/ft)		Wall thickness (mm) (inch)		Working pressure* (Bar) (PSI)		Bursting pressure (Bar) (PSI)		Article code
38	1 1/2"	205	0.14	1.3	0.05	5	70	15	210	44005-038000
52	2 "	270	0.18	1.3	0.05	5	70	15	210	44005-052000
65	2 1/2"	380	0.26	1.5	0.06	4	60	12	180	44005-065000
76	3 "	530	0.36	1.7	0.07	4	60	12	180	44005-076000
102	4 "	710	0.48	1.8	0.07	4	60	12	180	44005-102000
127	5 "	950	0.64	1.9	0.07	3	45	9	135	44005-127000
152	6 "	1,180	0.79	2.0	0.08	3	45	9	135	44005-152000
203	8 "	1,790	1.20	2.2	0.09	3	45	9	135	44005-203000
254	10 "	2,650	1.78	2.7	0.11	2	30	6	90	44005-254000
305	12 "	2,910	1.96	2.7	0.11	2	30	6	90	44005-305000
356	14 "	3,650	2.45	2.7	0.11	2	30	6	90	44005-356000
407	16 "	4,300	2.89	2.7	0.11	2	30	6	90	44005-407000

Standard length : 100 m ( 330 ft )  
Standard colour : light blue  
Service temperature: -10°C up to +60°C (14°F up to 140°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 at a temperature of 20°C (68°F). Depending on application and dimension of hose this product can be operated with a 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!

### CONSTRUCTION

#### Textile reinforcement:

- high tenacity polyester yarn, special construction for low elongation
- totally embedded in the PVC compound, excellent protected against mechanical damage

#### Lining and cover:

- Special high grade formulated PVC compound extruded "through the weave" in a unique one step production process
- much better adhesion level compared to conventional PVC layflat hoses, no delamination
- inside: very smooth for minimum friction loss
- outside: smooth for good flexibility

### ASSEMBLY OF COUPLINGS:

- the hose tail of the coupling should be machined and free of sharp edges to avoid that the inner tube is cut
- if hose is binded with clamps a piece of hose should be placed between hose and coupling tail as a protection
- the bandwidth of the clamp should be dimensioned in a way, that the hose is not squeezed between the ribs of the hosetail



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