

P-FLEX M

Mediumweight PVC layflat hose



Mediumweight
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
- medium duty applications

FEATURES

- 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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Bore size (mm) (inch)		Weight (gr/m) (lbs/ft)		Wall thickness (mm) (inch)		Working pressure* (Bar) (PSI)		Bursting pressure (Bar) (PSI)		Article code
25	1 "	165	0.11	1.5	0.06	7	100	21	300	44010-025000
32	1 1/4"	200	0.13	1.5	0.06	7	100	21	300	44010-032000
38	1 1/2"	230	0.15	1.5	0.06	7	100	21	300	44010-038000
52	2 "	340	0.23	1.6	0.06	7	100	21	300	44010-052000
65	2 1/2"	430	0.29	1.7	0.07	7	100	21	300	44010-065000
76	3 "	570	0.38	1.9	0.07	6	90	18	270	44010-076000
102	4 "	880	0.59	2.3	0.09	6	90	18	270	44010-102000
127	5 "	1,100	0.74	2.3	0.09	6	90	18	270	44010-127000
152	6 "	1,500	1.01	2.6	0.10	6	90	18	270	44010-152000
203	8 "	2,100	1.41	2.7	0.11	4	60	12	180	44010-203000

Standard length : 100 m (330 ft)
Standard colour : dark 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 banded 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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