

GUTTELING CHEM BLACK



CHEMICALS

Composite hoses/Chemical and corrosive products



APPLICATIONS

GUTTELING CHEM BLACK hoses are designed for those chemicals which do not affect the Polypropylene lining and the Polypropylene coated steel inner wire.

There are three different types, depending on pressure and application, namely:

Light duty	Tank truck and railcar
Standard duty	Tank truck, railcar and in plant transfer
Heavy duty	Heavy duty marine operations and ship and barge loading and unloading

PHYSICAL PROPERTIES

- Maximum elongation: 10% on proof pressure
- Electrical resistance: max. 100 Ohm per length
- Maximum twist: 10° p/m
- Vacuum range: 0,9 bar
- Min. burst pressure: 5x working pressure (safety fact 5:1)
- Max. flowrate: on request
- Max. tensile strength: on request
- Pressure losses: on request
- Temperature range: -30°C up to +80°C (-22F up to +176F)

TECHNICAL DESCRIPTION

Inner wire:	Polypropylene coated steel
Lining:	Polypropylene
Outer cover:	Polyester PVC coated black
Outer wire:	Galvanized- or Stainless steel 316

STANDARD/APPROVAL

GUTTELING CHEM BLACK hoses are produced and tested according international standards like

EN

EN 13765 and IMO IBC code.

COMPLEMENTARY INFORMATION

Other outer wire qualities (Aluminium or Polypropylene coated steel) are available upon request.

Other cover colors available upon request.

Assembled lengths are delivered with pressure test certificate.



**Light Duty, 7 bar**

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	100	7	4,9	125	0,55	0,85	100	30
1,5	40	100	7	5,9	150	0,75	1,15	100	30
2	50	100	7	7,9	200	0,85	1,3	100	30
2,5	65	100	7	8,3	210	1,45	2,2	100	30
3	80	100	7	11,8	300	1,8	2,7	100	30
4	100	100	7	15,7	400	2,95	4,4	100	30

Standard Duty, type 2

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	150	10,5	4,9	125	0,65	0,95	100	30
1,5	40	150	10,5	5,9	150	1,15	1,7	100	30
2	50	150	10,5	7,9	200	1,2	1,8	100	30
2,5	65	150	10,5	7,9	200	1,95	2,9	100	30
3	80	150	10,5	11,8	300	2,35	3,5	100	30
4	100	150	10,5	15,7	400	3,65	5,5	100	30

Heavy Duty, type 3

Bore diameter		Max. work. pressure		Bend radius		Weight		Maximum length	
inches	mm	PSI	bar	inches	mm	lbs/Ft	Kg/m	Ft	m
1	28	200	14	4,9	125	0,65	0,95	100	30
1,5	40	200	14	5,9	150	1,15	1,7	100	30
2	50	200	14	7,9	200	1,2	1,8	100	30
2,5	65	200	14	7,9	200	1,95	2,9	100	30
3	80	200	14	13,8	350	3	4,5	100	30
4	100	200	14	15,7	400	5,25	7,9	100	30
5	125	200	14	20,1	510	6,45	9,7	100	30
6	150	200	14	22,6	575	8,25	12,4	100	30
8	200	200	14	31,5	800	14,55	21,8	100	30

This information is for guidance only, dimensions and weights shown are approximate.

We reserve the right to alter or amend specifications as deemed necessary.

Digital version

