

GUARDMAN

LAY-FLAT HOSES

Mandals Guardman was developed in 1960 and has been continuously improved ever since. It is a world-class Lay-Flat hose made of a special rubber compound extruded through a circular woven polyester jacket, ensuring exceptionally good layer bonding and no delamination.

Our red fire hose has been the top choice of the most demanding customers for decades.

Characteristics

Developed and produced since the 1960s.

A fully extruded hose in which the rubber compound has been extruded through a round, woven polyester jacket, ensuring exceptionally good bonding and no delamination.

It can withstand heavy physical loads and temperature fluctuations.

Lightweight design.



Design

The hose is designed to absorb pressure surges by swelling rather than stretching. This means increasing the diameter under pressure and reducing friction-induced losses. The rubber compound has an additional UV barrier to prevent ultraviolet damage to the rubber. It is capable of working with most common chemicals and low-aromatic oil products.

Advantages

Developed specifically for marine applications, the hose is a high-performing and long-service product suitable for extreme climatic and fire conditions.



Technical characteristics

INTERNAL DIAMETER		WALL THICKNESS		WEIGHT		BURST PRESSURE		TENSILE STRENGTH	
Inch	mm	Inch	mm	Lbs / ft	Kg / m	Psi	Bar	X1000 lbs	Tons
1 1/2	38.0 + 1.6	0.09	2.2	0.23	0.34	940	65	6.9	3.1
1 2/3	42.0 + 1.6	0.09	2.2	0.23	0.32	90	65	6.9	3.1
1 3/4	45.0 + 1.6	0.09	2.2	0.23	0.35	725	50	7.6	3.4
2	51.0 + 2.0	0.09	2.2	0.29	0.44	700	48	8.7	3.9
2 1/2	65.0 + 2.0	0.09	2.2	0.38	0.57	700	48	11.1	5.0
3	76.0 + 2.0	0.09	2.4	0.49	0.73	680	47	15.6	7.0
3 1/2	90.0 + 2.0	0.11	2.7	0.67	1.00	640	44	21.3	9.6
4	102.0 + 2.5	0.11	2.8	0.77	1.15	610	42	20.4	9.2
6	150.0 + 3.0	0.13	3.3	1.27	1.90	610	42	35.8	16.1

NOTE: The safe ratio of burst pressure to working pressure is 2:1 (50%).
Applies to all non-hazardous and/or non-flammable liquids.

Note:

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