Mertex
Datasheet

T0201-12-3

Mandals Mertex is an uncovered fire hose used widely in the maritime industry. The hose carries the EU "Wheelmark", and the UK Red Ensign, and is approved according to SOLAS74/IMO/EN14540 requirement.

What makes Mertex different from other textile hoses is that it has an extruded inner lining of thermoplastic polyurethane.

Primary Uses & Applications

- General firefighting.
- Maritime firefighting.
- Factory and refinery firefighting.

Construction

- A circular woven polyester jacket with an extruded inner lining of thermoplastic polyurethane.
- No hot melt adhesives are used, ensuring good bonding without delamination.
- Designed in accordance with BS6391 – type 1.

Features

- Excellent water flow compared to rubber lined textile hoses.
- Excellent adhesion level of the TPU lining to the weave.
- Light weight and quick deployment.
- Adapts well to the terrain and can be routed around obstacles.
- Field proven hose with a long track record.

Properties

- Delivered in continuous lengths up to 200m.
- Color options: White (standard).
- Different coupling options available.
- Operating temperature from -50°C to +75°C (-58°F to +167°F). Intermittent use up to +80°C (+176°F).
- MED-2014-90-EU approval for EU Maritime Industry (Wheelmark)
- MER 2016 approval for UK Maritime Industry (Red Ensign)
- BV Type approval for all dimensions, including 65mm (2 1/2").

Mertex

Article Number	Inner Diameter[1]		Wall Thickness		Weight		Maximum Working Pressure[2]		Burst Pressure		Nom. Tensile Strength[3]	
-	inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	psi	bar	X1000 lbs	X1000 kg
MER038	**1 1/2**	38.1	0.06	1.6	0.13	0.20	435	30	870	60	12.7	5.7
MER052	**2**	51.5	0.07	1.8	0.19	0.28	400	27	800	55	16.0	7.2
MER065	**2 1/2**	64.5	0.07	1.8	0.24	0.36	360	25	725	50	19.3	8.7

Note: [1]Tolerance range based on ISO1307 Type C. [2]Values are for hose only; allowed working pressure can not exceed coupling pressure rating. For questions about chemical resistance please check mandals.com/support. [3]Calculated value. Use a reduction factor of 0.75 for realistic maximum tensile strength values.