

AQUAMAN



AS/NZS 4020

KTW-DVGW



Mandals Aquaman (TPU) can be used as an emergency bypass or even as a permanent alternative for supply of drinking water. This hose is also used in the ship service sector, and even for festivals and other temporary events.

Drinking water supply has become a major challenge worldwide. Aquaman has been designed to provide the most efficient, economical and easy to install transportation system for drinking water.

Lay-flat hoses are the best option for water transfer when it comes to flexibility, low volume and easy handling and deployment.

FEATURES

- Approved for transfer of potable water.
- Transfer large volumes of liquid with high working pressures.
- Lightweight and easy to deploy.
- Premium abrasion resistance.
- Minimum extension in length and snaking when in use.
- Operating temperature from -50°C to + 75 °C (-58°F to +167°F) for pure water.

DESIGN

Mandals Aquaman is made from extruded thermoplastic polyether based polyurethane (TPU). Reinforcement made from circular woven filament polyester yarn. The extrusion through the weave production method gives a very strong bonding between cover and lining as well as firmly encapsulating the woven polyester.

ADVANTAGES

Designed, tested and certified for transfer of potable water. Excellent abrasion resistance of the TPU material enables the use of very thin and lightweight hoses with large diameters to be quickly and easily deployed.



TECHNICAL DATA

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INTERNAL DIAMETER		WALL THICKNESS		WEIGHT		BURST PRESSURE		TENSILE STRENGTH	
Inch	mm	Inch	mm	Lbs / ft	Kg / m	Psi	Bar	X1000 lbs	Tons
1	25.4 + 1.6	0.07	1.9	0.13	0.20	725	50	3.3	1.5
1 1/2	38.0 + 1.6	0.08	2.1	0.20	0.30	655	45	5.8	2.6
2	51.0 + 2.0	0.09	2.2	0.29	0.44	655	45	7.6	3.4
2 1/2	65.0 + 2.0	0.09	2.3	0.36	0.58	610	42	9.1	4.1
3	76.0 + 2.0	0.09	2.4	0.47	0.75	610	42	10.7	4.8
4	102.0 + 2.5	0.12	3.0	0.72	1.07	520	36	23.1	10.4
5	127.0 + 2.5	0.12	3.0	0.99	1.48	435	30	26.9	12.1
6	152.0 + 3.0	0.12	3.0	1.15	1.72	435	30	33.3	15.0
8	203.0 + 3.0	0.13	3.2	1.53	2.30	380	26	43.8	19.7
10	254.0 + 4.0	0.13	3.3	2.05	3.08	305	21	65.8	29.6
12	305.0 + 5.0	0.13	3.4	2.53	3.80	220	15	83.1	37.4

NOTE: Safety BP/WP is 2:1 (50%). For all non-hazard and/or non-flammable liquids.

For questions about chemical resistance please check **DOWNLOADS – Chemical Resistance** or contact your local distributor or contact sales@mandals.com