

ULTRAMAN



MANDALS ULTRAMAN IS A DURABLE LIGHTWEIGHT HOSE FOR ALL-ROUND USE WITHIN MINING, ENERGY AND AGRICULTURAL SECTOR.

EASY HANDLING AND A LONG LIFE TIME MAKES IT VERY COST EFFECTIVE. TYPICAL APPLICATION AREAS ARE **DEWATERING OF OPEN PIT MINES**, **IRRIGATION** AND **BYPASS LINE** FOR SEWAGE OR SLURRY. AVAILABLE IN LENGTHS UP TO 800 M DEPENDING ON DIAMETER.

TECHNICAL DATA

INTERNAL DIAMETER		WALL THICKNESS		WEIGHT		BURST PRESSURE		TENSILE STRENGTH	
inch	mm	inch	mm	lbs / ft	kg / m	psi	bar	x1000 lbs	tons
2	51.0 + 2.0	0.11	2.7	0.35	0.52	940	65	11.9	5.4
2 1/2	65.0 + 2.0	0.11	2.8	0.44	0.66	810	56	14.3	6.5
3	76.0 + 2.0	0.11	2.8	0.54	0.84	780	54	17.4	7.9
3 1/2	90.0 + 2.0	0.11	2.9	0.66	0.98	620	43	20.0	9.1
4	102.0 + 2.5	0,13	3.2	0.80	1.20	610	42	22.2	10.1
4 1/2	114.0 + 2.5	0,13	3.2	0.93	1.39	535	37	23.8	10.8
5	127.0 + 2.5	0,13	3.2	1.02	1.52	505	35	26.4	12.0
6	152.0 + 3.0	0,13	3.2	1.16	1.73	435	30	32.8	14.9
7	178.0 + 3.0	0,13	3.2	1.37	2.05	390	27	37.6	17,1
8	203,0 + 3.0	0,13	3.2	1.63	2.44	375	26	41.7	18.9
10	254.0 + 4.0	0,13	3.3	2.07	3.08	305	21	52,3	23.7
12	305.0 + 5.0	0,13	3.4	2,74	4.05	230	16	84.2	38.2

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

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Add Note: _____

FEATURES

- Full diameter recovery after pressure release.
- Excellent hydrolysis and fungus resistance.
- Resistance to a wide range of chemicals.
- Temperature range -50 to 75 °C (pure water)
- Excellent UV, Ozone and weathering resistance.
- Leak proof tested section lengths up to 200 mts.

DESIGN

- Thermoplastic polyether based polyurethane (TPU)
- Extrusion through a circular woven jacket
- Excellent adhesion between cover and weave

ADVANTAGES

- Excellent hydrolysis and fungus resistance
- High diameter and extension stability
- Resistance to a wide range of chemicals (Ref. chemical list)
- Temperature range -50 to 75 °C (pure water)
- Excellent UV and weathering resistance.
- Longer length (> 200m) on request for diameter up to 6 inches.