



Mandals Mineman is a large diameter dewatering hose for use in open pit mines.

Mandals Mineman is made from extruded thermoplastic polyether based polyurethane (TPU) with excellent wear & tear properties. The reinforcement is 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.

The hose has high resistance against commonly used chemicals and has excellent resistance to UV radiation, hydrolysis and fungus degradation. The abrasion resistance of the TPU is one of the highest available, making the hose ideal for use in the extremely abrasive environment in open pit mines. The outer cover has been designed with extra thickness in order to increase

abrasion resistance. This extends the lifespan of the hose. The circular woven filament polyester reinforcement ensures very high tensile strength and facilitates towing with tractors without risk of damage. The interlocking weave prevents the hose from lengthwise extension when pulled or pressurized. This avoids delamination of cover or lining from the woven reinforcement and minimizes “snaking” and twisting.

Mandals Mineman can operate in a temperature range from -50°C to +75°C. It can withstand intermittent use up to +80°C.

Standard lengths up to 200 meters.

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Inner Diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength*	
inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	lbs	kg
6	152,0 +3,0	0,15	3,9	1,41	2,10	460	32	32 800	14 900
8	203,0 +3,0	0,16	4,2	2,00	3,00	377	26	41 500	18 900

Maximum recommended Working Pressure: 50 % of the listed values - for temporary use. To obtain maximum lifetime of the hose, it is recommended that the Working Pressure or the Working Tensile Stress do not exceed 1/3 of the listed values.

* Total theoretical longitudinal strength.