

mandals Flexitex Extra



Mandals Flexitex Extra is a lightweight, easy to handle yet hardwearing hose.

Mandals Flexitex Extra is intended for use as a feeder hose for larger irrigation and slurry units in the agricultural sector, and as transfer hose for non flammable liquids in the construction and general industry.

Mandals Flexitex Extra is made from a blend of nitrile rubber and PVC, with added UV barrier to prevent damage from UV radiation.

The rubber blend is extruded through a circular woven reinforcement made from filament polyester yarn. This production method gives a very strong bonding between cover and lining as

well as firmly encapsulating the reinforcing polyester.

Mandals Flexitex Extra has high resistance against commonly used chemicals. Due to the interlocking circular weave, the hose does not stretch when pulled. For the same reason, it has a very high pressure rating to wall thickness ratio.

It can operate from -30°C to +75°C.
Intermittent use to +80°C.

The hose can be delivered in lengths up to 200 meters.

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Inches	Inner Diameter	Wall Thickness	Weight/Meter	Burst Pressure	Tensile strength*
3/4	20,0 mm+1,6	2,3 mm	0,210 kg	10,0 MPa	1900 kg
1	25,4 mm+1,6	2,5 mm	0,275 kg	10,0 MPa	2 300 kg
1 1/2	38,0 mm+1,6	2,5 mm	0,390 kg	7,0 MPa	3 500 kg
2	51,0 mm+2,0	2,5 mm	0,525 kg	6,0 MPa	4 700 kg
2 1/2	65,0 mm+2,0	2,9 mm	0,750 kg	5,0 MPa	6 700 kg
3	76,0 mm+2,0	3,1 mm	0,950 kg	5,0 MPa	8 100 kg
3 1/2	90,0 mm+2,5	3,3 mm	1,150 kg	4,0 MPa	9 100 kg
4	102,0 mm+2,5	3,3 mm	1,350 kg	3,8 MPa	10 200 kg
4 1/2	114,0 mm+3,0	3,3 mm	1,400 kg	3,5 MPa	11 200 kg
5	127,0 mm+3,0	3,3 mm	1,700 kg	3,0 MPa	12 200 kg
6	154,0 mm+3,0	3,9 mm	2,300 kg	4,2 MPa	16.600 kg

To obtain maximum lifetime for the hose, it is recommended that actual Working Pressure and Working Tensile Stress do not exceed 1/3 of the above listed values.

* Total theorethical longitudinal strength.