Flexitex Standard

Mandals Flexitex Standard is a very light weight, easy to handle yet hardwearing hose intended as a lightweight allround hose for water-based and non-polar liquids in agriculture, construction and general industry.

Mandals Flexitex Standard is intended for use as feeder hose for smaller irrigation and slurry units in the agricultural sector. The hose is also used as a light weight wash down or transfer hose for water based and non polar liquids in construction and general industry, and is ideal as "back up" hose for industrial firefighting teams.

Mandals Flexitex Standard 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.

The hose 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 up to +80°C.

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

Technical Data

Inner Diameter		Wall Thickness		Weight		Burst Pressure		Tensile Strength *	
inch	mm	inch	mm	lbs/ft	kg/m	psi	bar	lbs	kg
1 1/2	38,0 +1,6	0,09	2,2	0,20	0,30	800	60	6 400	2 900
2	51,0 +2,0	0,09	2,2	0,25	0,38	650	45	8 400	3 800
2 1/2	65,0 +2,0	0,09	2,2	0,35	0,53	650	45	9 250	4 200
3	76,0 +2,0	0,10	2,6	0,47	0,70	580	45	11 450	5 200
3 1/2	90,0 +2,0	0,11	2,7	0,65	0,97	580	40	17 600	8 000
4	102,0 +2,5	0,11	2,7	0,73	1,10	500	35	19 400	8 800
6	150,0 +3,0	0,12	3,0	1,14	1,70	525	36	35 400	16 100

Maximum recommended Working Pressure: 50% of the listed values – for temporary use. To obtain maximum lifetime for the hose, it is recommended that the Working Pressure or the Working Tensile Stress does not exceed 1/3 of the listed values.
* Total theorethical longitudinal strength.