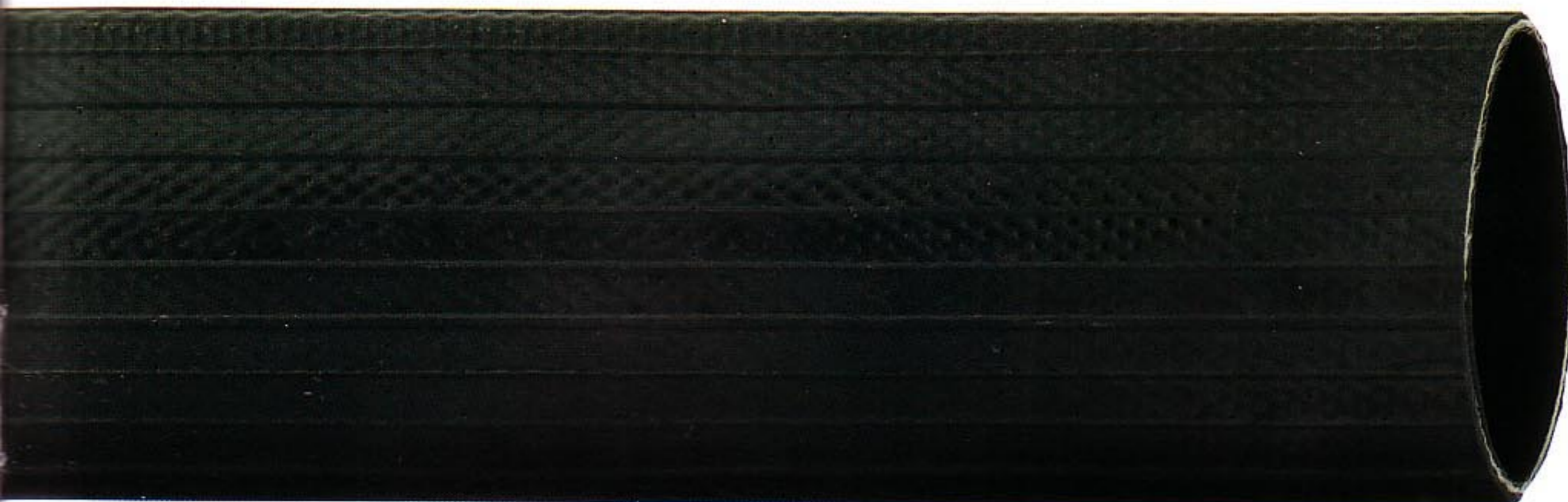


mandals Antistatica



Mandals Antistatica is a lightweight hose for transfer of fuels and other flammable liquids.

Mandals Antistatica is used for for transfer of fuels and other flammable liquids. The hose can also be used in the construction and general industry.

Mandals Antistatica is made from a blend of nitrile rubber and PVC, with added UV barrier to prevent damage from UV radiation. Further more, the nitrile rubber blend has additives rendering the hose itself electrically conductive, ensuring a volume resistivity of max. 10^6 Ohm.cm.

This method of achieving conductivity removes the risk of breaking conductive wires commonly used in rubber hoses for this purpose.

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 $+75^{\circ}\text{C}$.
Intermittent use to $+80^{\circ}\text{C}$.

Mandals Antistatica

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	1 900 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	2,2 mm	0,300 kg	5,5 MPa	2 900 kg
2	51,0 mm+2,0	2,2 mm	0,380 kg	4,5 MPa	3 800 kg
2 1/2	65,0 mm+2,0	2,2 mm	0,530 kg	4,5 MPa	4 200 kg
3	76,0 mm+2,0	3,1 mm	0,950 kg	5,0 MPa	8 100 kg
4	102,0 mm+2,5	3,3 mm	1,350 kg	3,8 MPa	10 200 kg
5	127,0 mm+3,0	3,3 mm	1,700 kg	3,0 MPa	12 200 kg
6	150,0 mm+3,0	3,0 mm	1,700 kg	3,6 MPa	16 100 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 theoretical longitudinal strength.