

Antistatica

Petroleum & flammable polar liquid



Fire



Antistatica is an electrically conductive hose for transfer of fuels and other flammable liquids.

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

Antistatica is made from a blend of nitrile rubber and PVC, with added UV barrier to prevent damage from UV radiation. The nitrile rubber blend has additives making the hose itself electrically conductive, ensuring a volume resistivity of max. $10^6 \text{ Ohm} \cdot \text{cm}$.

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.

Because of 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 up to $+80^\circ\text{C}$.

Antistatica

| Inner Diameter | | Wall Thickness | | Weight | | Burst Pressure | | Tensile Strength* | |
|----------------|------------|----------------|-----|--------|------|----------------|-----|-------------------|--------|
| inch | mm | inch | mm | lbs/ft | kg/m | psi | bar | lbs | kg |
| $\frac{3}{4}$ | 20,0 +1,6 | 0,09 | 2,3 | 0,14 | 0,21 | 1500 | 100 | 4 200 | 1 900 |
| 1 | 25,4 +1,6 | 0,10 | 2,5 | 0,18 | 0,28 | 1500 | 100 | 5 100 | 2 300 |
| 1 1/2 | 38,0 +1,6 | 0,09 | 2,2 | 0,20 | 0,30 | 800 | 55 | 6 400 | 2 900 |
| 2 | 51,0 +2,0 | 0,09 | 2,2 | 0,25 | 0,38 | 650 | 45 | 8 350 | 3 800 |
| 2 1/2 | 65,0 +2,0 | 0,09 | 2,2 | 0,35 | 0,53 | 650 | 45 | 9 200 | 4 200 |
| 3 | 76,0 +2,0 | 0,12 | 3,1 | 0,64 | 0,95 | 725 | 50 | 17 800 | 8 100 |
| 4 | 102,0 +2,5 | 0,13 | 3,3 | 0,90 | 1,35 | 550 | 38 | 22 450 | 10 200 |
| 5 | 127,0 +3,0 | 0,13 | 3,3 | 1,14 | 1,70 | 435 | 30 | 26 850 | 12 200 |
| 6 | 150,0 +3,0 | 0,12 | 3,0 | 1,14 | 1,70 | 525 | 36 | 35 400 | 16 100 |

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

** Total theoretical longitudinal strength.*