



## Scilabub Nomex Apron

**Working in hot environments or handling hot materials in close proximity to the body requires some form of protection. Scilabub Nomex heat resistant aprons offer a flexible yet durable solution for protection against latent and contact heat.**

Manufactured in the UK and produced using state of the art materials, the aprons offer an extremely high level of protection. The material has good dimensional stability characteristics and handles and feels like normal light work clothing.

Made from a twin layer of Nomex III fibre, which is a blend of Nomex and Kevlar the materials are very similar to those used to protect Formula one racing drivers. The materials are aramids (aromatic polyamides) and are high temperature resistant and non-melt. Nomex has outstanding features that led to its use in high tech protection clothing, including astronaut suits and military aviation clothing. Kevlar which is included in the blend is used in bullet proof applications and in the case of the apron ensures outstanding wear characteristics resulting in a long working life.

The protection offered is a characteristic of Nomex itself so no surface treatment is necessary, additionally it does not impair the fabric's ability to breathe and cannot wash out. It should be noted that care should be taken to keep the Apron reasonably dry or water in the interstices will conduct heat across the surfaces.

Nomex withstands temperatures up to 370°C before degradation begins. When exposed to flame, Nomex does not melt or drip. It simply chars without offensive odour and with little smoke, to leave a "crust", which continues protection. In normal usage a maximum working temperature of 260°C maintains most physical properties over a number of hours. However, short exposure (e.g. flash fires) gives protection at considerably higher temperatures.

The Fabric also has good resistance to chemicals, withstanding the effects of a wide range of chemicals including alkalis, acids and organic materials. It is affected by long exposure to some concentrated inorganic acids. It should be appreciated that the material is porous and therefore does not protect against the penetration of chemicals.

Nomex is considerably tougher than normal nylon and industrial studies have shown it to have 3 to 15 times the wear resistance of conventional fabrics. It can be repeatedly washed.

Although the aprons have not yet been tested they are made from the same materials as the range of gloves manufactured by Scilabub Limited. The Gloves have been tested to EN388 (1, x 4, x) and EN407- burning behaviour 4, contact heat 1, convective heat 3, radiant heat 0, small drops molten metal 1, large drops molten metal X. The glove tests were made on and apply to unwashed gloves However Nomex III is easily suited to commercial laundering and dry cleaning without need for retreatment

**APR/NS - Small - Length 900mm**  
**APR/NM - Medium – Length 1000mm**  
**APR/NL – Large – Length 1200mm**  
**APR/NXL – Extra Large – Length 1400mm**

