

Lijian Composite Materials Co.,LTD.

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NOMEX Fiber Fabrics

- Petroleum and petrochemical operations
- Electricians
- Utility workers
- Race car drivers and their crews
- Preforms and SMC for car body components
- The military
- Medical emergency professionals
- Any industry where there is a chance of flash fire exposure or electric arc flash or blast



Seirlas-1

Technical Datas for Serials-1

Product Code	Reinforcement Yarn		Texture	LOI	Mass g/m ²	Thickness mm
	Warp	Weft				
XW-NM-A-180	Nomex	Nomex	Plain	28	180	0.28
XW-NM-A-200	Nomex	Nomex	Plain	28	200	0.32
XW-NM-A-220	Nomex	Nomex	Plain	28	220	0.35

Features

The fiber is composed of a synthetic chemical that is in it's self inherently flame resistant. This flame resistant property can not be washed or dry cleaned out of the Nomex fiber and is therefore good for the life of the garment.

Nomex will not burn in air like a cotton fabric and will not melt and drip like a polyester fabric. When exposed to a heat source the Nomex fabric will actually expand form the heat source resulting in establishing a defensive mechanism from the flame source.

When exposed to a flame source Nomex absorbs the heat energy and the fiber will swell up, thickening in the process which in turn helps to stop heat transfer to the individual person.

In the case of static electricity which can possibly be a hazard in petroleum plants Nomex IIIA incorporates a static dissipate which attracts static charges to it's carbon core which results in lowering the static charge. Kevlar is also added to the Nomex IIIA to help establish a stronger break open point for the garments. This addition of 5% Kevlar also helps establish Nomex IIIA as having a better abrasive resistant factor and longer garment life compared to FR Cotton fabrics.

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