



NOMEX – Fire Retardant Fabrics

NOMEX fibre is composed of synthetic chemicals that is in itself inherently flame resistant. This Flame Resistant property **cannot** be washed or Dry cleaned out of the NOMEX fibre 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 from 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 fibre will swell up, thickening in the process which in turn helps to stop heat transfer to the individual person.

The physical action of the NOMEX when exposed to a heat source such as a flash fire or electric arc is as follows:

- The fibre itself absorbs heat energy during the carbonization process.
- The fibre swells and thickens in size and seals openings in the garment fabric helping to eliminate air movement and heat transfer to the interior skin area.
- As both the fibre and the fabric thicken together this increases the insulating barrier and therefore reducing transfer to the person.

To Clean

CAUTION: The one product that can damage the flame resistant properties when cleaning NOMEX fabric is - CHLORINE BLEACH.

- Wash and rinse separately to avoid contamination from flammable lint.
- Pre-treat greasy stains.
- Wash in hot water (up to 140°F) using any typical home laundry detergent such as Omo, Spree, Radiant, or Bio Zet. Do not use pure soap such as Lux or Ivory Snow.
- Do not use CHLORINE BLEACH.
- Do not starch.
- Do not over dry.