

FLAME RESISTANT NOMEX SUIT / COVERALL-220 GSM



Product Code:

Model: Flame Resistant Nomex® Suit– 220 GSM

Approvals: EN11612

The single layer Nomex® garments that we propose to offer will have the following broad specification.

- The fabric to be used for the garments would be Nomex® IIIA fabric, of the following composition: 93% Meta Aramid (Nomex®), 5% Para Aramid (Kevlar®), and 2% P-140 Antistatic fiber.
- The weight of the Nomex® IIIA fabric would be 220 GSM (Gm/sqmtr)
- The fabric should pass the vertical flame test result as per FTMS 191A; 5903.1
- The fabric should be inherently Flame Retardant and not coated / Treated for Fire Retardant properties.
- The fabric should have very good static charge dissipative properties (antistatic properties), and this should be effective even at low humidity levels as low as 20% relative humidity, as per EN 1149 standard
- The accessories used for the garments like zip, threads, reflectives etc should be Fire Retardant. The inside lining of the pockets should also be made of Nomex IIIA fabric.
- The garment should be able to withstand at least 125 wash cycles without losing the Fire Retardant properties.
- The garment would be certified under CE certification.
- The staple fiber used to make the fabric should have the following properties of Fiber Dtex : 1.7 Dtex, Break Tenacity : cN/tex : 31, Break Elongation % :30, Fiber Length , mm : 50.

The fabric would be certified as per EN ISO 11612:2006, wherein it is tested as per the following.

Limited Flame Spread (Code letter A1) (As per Test method ISO 15025:2000)

- Convective Heat (Code letter B) (As per Test method ISO 9151:1995)
- Radiant Heat (Code letter C) (As per Test method ISO 6942:2002 method B)
- Contact Heat (Code letter F) (As per Test method ISO 12127:1996)

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