

# Flash Fire Resistance ASTM F1930



- **Limited Flame Resistance (LFR) vs. Flash Fire Resistance (FFR)**
  - LFR measures a fabric's ability to self-extinguish within 2 sec. of removal of the ignition source per ASTM D6413. LFR is a function only of the fabric. LFR is valuable to determine how a fabric will react to a small and simple flame.
  - FFR measures the predicted burn injury from a simulated flash fire per ASTM F1930. FFR is a function of both the fabric and the design of the garment worn.
  - FFR is valuable to determine how protective a garment is and to what extent the worker wearing that garment may be injured.
- **Burn Injury Survivability:** The ability of an individual to survive burn injury is dependant primarily on 2 factors: percent of burn injury and age. As both increase, the chance of survival decreases. In an industrial setting, because you cannot control the age of the worker, you must control the severity of the burn. The industry objective is to reduce the burn injury as low as possible thus increasing the survivability.

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