

# **Flame Retardant Apparel Market Size, Share & Trends Analysis Report By Type (Durable, Disposable), By End-use (Defense & Law Enforcement), By Fabric (Inherent, Treated), By Product (Shirt, Pant, FRC Coverall), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

This report can be delivered to the clients within 4 Business Days

### **Flame Retardant Apparel Market Growth & Trends**

The global flame retardant apparel market size is anticipated to reach USD 5,667.0 million by 2030 and is anticipated to grow at a CAGR of 6.4% from 2025 to 2030, according to a new report by Grand View Research, Inc. Market growth is primarily driven by stringent workplace safety regulations that mandate the use of flame-resistant clothing in high-risk industries such as oil & gas, manufacturing, and construction. In addition to regulatory compliance, the increasing scale of industrial operations and rising awareness about worker safety are further fueling demand for flame retardant apparel worldwide.

The growth of the global flame retardant apparel market is being driven by rapid industrialization in developing regions, which is increasing the demand for protective clothing across sectors such as construction, oil & gas, and energy. In parallel, evolving regulatory standards and rising awareness of worker safety are compelling employers to invest in high-performance flame retardant garments.

A key contributor to this demand is the oil & gas sector, where workers face elevated

risks of fire and explosion. To ensure compliance with safety regulations and protect employees in hazardous environments, companies are adopting apparel that balances protection, comfort, and durability. This trend is further reinforced by the sector's ongoing expansion and focus on operational safety.

Additionally, market growth is supported by innovations in material technology. There is a growing preference for inherently flame-resistant fabrics over chemically treated ones, due to their superior longevity and consistent protective performance. At the same time, environmental concerns are prompting manufacturers and buyers alike to shift toward sustainable flame retardant apparel made from recycled or eco-friendly materials. Features such as lightweight design, breathability, and moisture-wicking capabilities are also gaining traction, aligning with end user preferences for comfort without compromising safety.

### Flame Retardant Apparel Market Report Highlights

The FRC coverall segment held largest revenue share of global retardant apparel market in 2024. Due to its widespread use across high-risk industries such as firefighting, oil and gas and chemical, where protection against fire and heat hazards is critical.

The petrochemicals in end use segment is expected to grow at the fastest CAGR over the forecast period. Expanding industry activities and strict safety regulations are driving strong demand in this segment.

The durable type segment held largest market share in terms of revenue in 2024 owing to its long-lasting protection and ability to withstand repeated wear and harsh working conditions.

North America dominated the market and accounted for 33.3% market share in 2024. The market is driven by stringent OSHA regulations and widespread adoption across high-risk industries such as oil & gas, manufacturing, and firefighting.

In March 2025, 3M launched the “3M Flame Retardant Additive FR-2025” to improve flame resistance and clarity in protective apparel materials. This innovation enhances safety and comfort, meeting rising demand in industries like oil & gas and firefighting.

## **Companies Mentioned**

3M Company

ANSELL LTD.

Honeywell International Inc.

Benchmark FR

Workwear Outfitters, LLC.

Cintas Corporation

Lakeland Inc.

NSA - National Safety Apparel.

MSA

Scandia

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