

Global Protective Clothing Market Size study & Forecast, by Material (Aramid & Blends, Polyolefin & Blends, Polyamide & Cotton Fibers, Others), by Application (Thermal & Heat Protection, Flame Resistant Protection, Arc Protection, Chemical & Biological Protection, Cut Protection, Emergency Response & Law Enforcement) and Regional Analysis, 2023-2030

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Abstracts

Global Protective Clothing Market is valued at approximately USD 10 billion in 2022 and is anticipated to grow with a healthy growth rate of more than 9% during the forecast period 2023-2030. Protective clothing encompasses attire meticulously crafted, treated, or manufactured to safeguard individuals from perils stemming from severe environmental circumstances or hazardous occupational settings. Certain protective garments are engineered to shield workers from potential threats posed by infectious agents or environmental pollutants encountered in the workplace. The major driver in this market is the consciousness of the employers towards their employees on their safety measures, which has been supported by various protective clothes to reduce the fatality rate in the workplace. The strict regulations imposed by the governments of various countries in every industry according to the geographical conditions and the expertise of the workers involved in that workplace drive the market extensively.

In every industry, both employer awareness and government enforcement have prioritized worker safety, aiming to mitigate physical workplace hazards and reduce associated losses. . As per the Bureau of Labor Statistics, In 2020, head injuries constituted 5.8% of nonfatal occupational injuries resulting in days away from work.

According to the National Institutes of Health (NIH), In 2023, 64.3% of workers reported experiencing occupational accidents. The primary types of accidents included incidents involving being struck by falling objects, falling from elevated surfaces, and accidents related to tools. Protective clothing manufacturers continually innovate, introducing advanced materials and designs to enhance product protection. Moreover, they invest in R&D to develop more durable, comfortable, and breathable fabrics, ensuring superior protection and comfort for workers. Phase Change Materials (PCMs) possess the capacity to undergo phase transitions within specific temperature thresholds, thereby absorbing, storing, and subsequently releasing substantial quantities of energy in the form of latent heat. Therefore, using Phase Change Materials has opened many opportunities for protective clothing manufacturers. However, the significant challenge encountered throughout the forecast period is attributed to the elevated costs associated with specific specialized protective clothing. These costs arise from the manufacturing expenses of high-performance fabrics and the necessity for multiple testing phases, thus imposing a substantial impediment. Moreover, the dynamic conditions of a workplace from time to time demand for more advanced products for protection leaving the existing products outdated, This challenge can be overcome only with active research and development by the manufacturers.

The key regions considered for the Global Protective Clothing Market study include Asia Pacific, North America, Europe, Latin America, and Middle East & Africa. North America dominated the market in 2022 due to the large scale of available manpower all over the region for every industry to operate within along with the stringent regulations of the Government over the industries to reduce the fatality rate in the region. Asia Pacific is also expected to grow significantly over the forecast period, owing to the developing economy which is paving the way for new industries to penetrate the market in this region.

Major market player included in this report are:

Ansell Ltd.

Honeywell International, Inc.

Lakeland Industries, Inc.

Workwear Outfitters, LLC

Alsico Group

Troop Comforts Limited

DuPont

Miliken & Company

L.Gore & Associates, Inc.

Tencate Protective Fabrics

Recent Developments in the Market:

In February 2024, Ansell introduced the new Mega Texture MICROFLEX glove tailored for the automotive industry and beyond, elevating dry gripping power by nearly 50%. The exceptional durability and enhanced grip of the 93-256 model offer workers confidence in hazardous environments. This product is now accessible in both Europe and North America contributing to the significant advancement in the Protective Clothing industry.

In May 2022, Honeywell unveiled two novel respiratory protection solutions catering to healthcare professionals. The first is an N95 respirator tailored for individuals with smaller facial features, while the second is a filtered, reusable half-mask respirator, providing comfortable wear for extended periods among healthcare workers.

In October 2023, Alsico launched a pioneering collecting hub for workwear, enabling users to return items they no longer need. They've implemented a policy to reclaim products post-usage, refining eco-design strategies and promoting sustainability. Returned garments must be clean for repurposing which leads to easy upgrade and less production costs in the Protective Clothing Market

Global Protective Clothing Market Report Scope:

Historical Data – 2020 - 2021

Base Year for Estimation – 2022

Forecast period - 2023-2030

Report Coverage - Revenue forecast, Company Ranking, Competitive Landscape, Growth factors, and Trends

Segments Covered - Material, Application, Region

Regional Scope - North America; Europe; Asia Pacific; Latin America; Middle East & Africa

Customization Scope - Free report customization (equivalent up to 8 analyst's working hours) with purchase. Addition or alteration to country, regional & segment scope*

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within countries involved in the study.

The report also caters detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, it also incorporates potential opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Material:

Aramid & Blends

Polyolefin & Blends

Polyamide & Cotton Fibers

Polybenzimidazole (PBI) & Polybenzoxazole (PBO)

Ultra-High-Molecular-Weight-Polyethylene (UHMWPE)

High Density Polyethylene (HDPE)

Laminated Polyesters

Polypropylene / Polyester

Others

By Application:

Thermal & Heat Protection

Flame Resistant Protection

Arc Protection

Chemical & Biological Protection

Cut Protection

Emergency Response & Law Enforcement

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India

Japan

Australia

South Korea

RoAPAC

Latin America

Brazil

Mexico

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Contents

CHAPTER 1. EXECUTIVE SUMMARY

- 1.1. Market Snapshot
- 1.2. Global & Segmental Market Estimates & Forecasts, 2020-2030 (USD Billion)
 - 1.2.1. Protective Clothing Market, by Region, 2020-2030 (USD Billion)
 - 1.2.2. Protective Clothing Market, by Material, 2020-2030 (USD Billion)
 - 1.2.3. Protective Clothing Market, by Application, 2020-2030 (USD Billion)
- 1.3. Key Trends
- 1.4. Estimation Methodology
- 1.5. Research Assumption

CHAPTER 2. GLOBAL PROTECTIVE CLOTHING MARKET DEFINITION AND SCOPE

- 2.1. Objective of the Study
- 2.2. Market Definition & Scope
 - 2.2.1. Industry Evolution
 - 2.2.2. Scope of the Study
- 2.3. Years Considered for the Study
- 2.4. Currency Conversion Rates

CHAPTER 3. GLOBAL PROTECTIVE CLOTHING MARKET DYNAMICS

- 3.1. Protective Clothing Market Impact Analysis (2020-2030)
 - 3.1.1. Market Drivers
 - 3.1.1.1. Growing consciousness of the safety of the workers
 - 3.1.1.2. Strict regulations imposed by the Governments.
 - 3.1.2. Market Challenges
 - 3.1.2.1. High Manufacture Cost of Specialized fabrics.
 - 3.1.2.2. Dynamic conditions require periodic product upgrades.
 - 3.1.3. Market Opportunities
 - 3.1.3.1. Advancements in the Protective Clothing through continuous R&D
 - 3.1.3.2. Increased usage of Phase Change Materials (PCMs)

CHAPTER 4. GLOBAL PROTECTIVE CLOTHING MARKET INDUSTRY ANALYSIS

- 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.2. Porter's 5 Force Impact Analysis
- 4.3. PEST Analysis
 - 4.3.1. Political
 - 4.3.2. Economical
 - 4.3.3. Social
 - 4.3.4. Technological
 - 4.3.5. Environmental
 - 4.3.6. Legal
- 4.4. Top investment opportunity
- 4.5. Top winning strategies
- 4.6. COVID-19 Impact Analysis
- 4.7. Disruptive Trends
- 4.8. Industry Expert Perspective
- 4.9. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL PROTECTIVE CLOTHING MARKET, BY MATERIAL

- 5.1. Market Snapshot
- 5.2. Global Protective Clothing Market by Material, Performance - Potential Analysis
- 5.3. Global Protective Clothing Market Estimates & Forecasts by Material 2020-2030 (USD Billion)
- 5.4. Protective Clothing Market, Sub Segment Analysis
 - 5.4.1. Aramid & Blends
 - 5.4.2. Polyolefin & Blends
 - 5.4.3. Polyamide & Cotton Fibers
 - 5.4.4. Polybenzimidazole (PBI) & Polybenzoxazole (PBO)
 - 5.4.5. Ultra-High-Molecular-Weight-Polyethylene (UHMWPE)
 - 5.4.6. High Density Polyethylene (HDPE)
 - 5.4.7. Laminated Polyesters
 - 5.4.8. Polypropylene &/or Polyester
 - 5.4.9. Others

CHAPTER 6. GLOBAL PROTECTIVE CLOTHING MARKET, BY APPLICATION

- 6.1. Market Snapshot
- 6.2. Global Protective Clothing Market by Application, Performance - Potential Analysis
- 6.3. Global Protective Clothing Market Estimates & Forecasts by Application 2020-2030 (USD Billion)
- 6.4. Protective Clothing Market, Sub Segment Analysis
 - 6.4.1. Thermal & Heat Protection
 - 6.4.2. Flame Resistant Protection
 - 6.4.3. Arc Protection
 - 6.4.4. Chemical & Biological Protection
 - 6.4.5. Cut Protection
 - 6.4.6. Emergency Response & Law Enforcement

CHAPTER 7. GLOBAL PROTECTIVE CLOTHING MARKET, REGIONAL ANALYSIS

- 7.1. Top Leading Countries
- 7.2. Top Emerging Countries
- 7.3. Protective Clothing Market, Regional Market Snapshot
- 7.4. North America Protective Clothing Market
 - 7.4.1. U.S. Protective Clothing Market
 - 7.4.1.1. Material breakdown estimates & forecasts, 2020-2030
 - 7.4.1.2. Application breakdown estimates & forecasts, 2020-2030
 - 7.4.2. Canada Protective Clothing Market
- 7.5. Europe Protective Clothing Market Snapshot
 - 7.5.1. U.K. Protective Clothing Market
 - 7.5.2. Germany Protective Clothing Market
 - 7.5.3. France Protective Clothing Market
 - 7.5.4. Spain Protective Clothing Market
 - 7.5.5. Italy Protective Clothing Market
 - 7.5.6. Rest of Europe Protective Clothing Market
- 7.6. Asia-Pacific Protective Clothing Market Snapshot
 - 7.6.1. China Protective Clothing Market
 - 7.6.2. India Protective Clothing Market
 - 7.6.3. Japan Protective Clothing Market
 - 7.6.4. Australia Protective Clothing Market
 - 7.6.5. South Korea Protective Clothing Market
 - 7.6.6. Rest of Asia Pacific Protective Clothing Market
- 7.7. Latin America Protective Clothing Market Snapshot
 - 7.7.1. Brazil Protective Clothing Market
 - 7.7.2. Mexico Protective Clothing Market

- 7.8. Middle East & Africa Protective Clothing Market
 - 7.8.1. Saudi Arabia Protective Clothing Market
 - 7.8.2. South Africa Protective Clothing Market
 - 7.8.3. Rest of Middle East & Africa Protective Clothing Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. Company
 - 8.1.2. Company
 - 8.1.3. Company
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. Ansell Ltd.
 - 8.3.1.1. Key Information
 - 8.3.1.2. Overview
 - 8.3.1.3. Financial (Subject to Data Availability)
 - 8.3.1.4. Product Summary
 - 8.3.1.5. Recent Developments
 - 8.3.2. Honeywell International, Inc.
 - 8.3.3. Lakeland Industries, Inc.
 - 8.3.4. Workwear Outfitters, LLC
 - 8.3.5. Alsico Group
 - 8.3.6. Troop Comforts Limited
 - 8.3.7. DuPont
 - 8.3.8. Miliken & Company
 - 8.3.9. L.Gore & Associates, Inc.
 - 8.3.10. Tencate Protective Fabrics

CHAPTER 9. RESEARCH PROCESS

- 9.1. Research Process
 - 9.1.1. Data Mining
 - 9.1.2. Analysis
 - 9.1.3. Market Estimation
 - 9.1.4. Validation
 - 9.1.5. Publishing
- 9.2. Research Attributes
- 9.3. Research Assumption

12 .LIST OF TABLES

TABLE 1. Global Protective Clothing Market, report scope

TABLE 2. Global Protective Clothing Market estimates & forecasts by Region
2020-2030 (USD Billion)

TABLE 3. Global Protective Clothing Market estimates & forecasts by Material
2020-2030 (USD Billion)

TABLE 4. Global Protective Clothing Market estimates & forecasts by Application
2020-2030 (USD Billion)

TABLE 5. Global Protective Clothing Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 6. Global Protective Clothing Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 7. Global Protective Clothing Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 8. Global Protective Clothing Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 9. Global Protective Clothing Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 10. Global Protective Clothing Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 11. Global Protective Clothing Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 12. Global Protective Clothing Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 13. Global Protective Clothing Market by segment, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 14. Global Protective Clothing Market by region, estimates & forecasts,
2020-2030 (USD Billion)

TABLE 15. U.S. Protective Clothing Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 16. U.S. Protective Clothing Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 17. U.S. Protective Clothing Market estimates & forecasts by segment
2020-2030 (USD Billion)

TABLE 18. Canada Protective Clothing Market estimates & forecasts, 2020-2030 (USD
Billion)

TABLE 19. Canada Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 20. Canada Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 21. UK Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 22. UK Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 23. UK Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 24. Germany Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 25. Germany Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 26. Germany Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 27. France Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 28. France Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 29. France Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 30. Italy Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 31. Italy Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 32. Italy Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 33. Spain Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 34. Spain Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 35. Spain Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 36. RoE Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 37. RoE Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 38. RoE Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 39. China Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 40. China Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 41. China Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 42. India Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 43. India Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 44. India Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 45. Japan Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 46. Japan Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 47. Japan Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 48. South Korea Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 49. South Korea Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 50. South Korea Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 51. Australia Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 52. Australia Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 53. Australia Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 54. RoAPAC Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 55. RoAPAC Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 56. RoAPAC Protective Clothing Market estimates & forecasts by segment 2020-2030 (USD Billion)

TABLE 57. Brazil Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 58. Brazil Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 59. Brazil Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 60. Mexico Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 61. Mexico Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 62. Mexico Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 63. RoLA Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 64. RoLA Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 65. RoLA Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 66. Saudi Arabia Protective Clothing Market estimates & forecasts, 2020-2030 (USD Billion)

TABLE 67. South Africa Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 68. RoMEA Protective Clothing Market estimates & forecasts by segment

2020-2030 (USD Billion)

TABLE 69. List of secondary sources, used in the study of global Protective Clothing Market

TABLE 70. List of primary sources, used in the study of global Protective Clothing Market

TABLE 71. Years considered for the study

TABLE 72. Exchange rates considered

List of tables and figures are dummy in nature, final lists may vary in the final deliverable

List Of Figures

LIST OF FIGURES

- FIG 1. Global Protective Clothing Market, research methodology
 - FIG 2. Global Protective Clothing Market, Market estimation techniques
 - FIG 3. Global Market size estimates & forecast methods
 - FIG 4. Global Protective Clothing Market, key trends 2022
 - FIG 5. Global Protective Clothing Market, growth prospects 2023-2030
 - FIG 6. Global Protective Clothing Market, porters 5 force model
 - FIG 7. Global Protective Clothing Market, pest analysis
 - FIG 8. Global Protective Clothing Market, value chain analysis
 - FIG 9. Global Protective Clothing Market by segment, 2020 & 2030 (USD Billion)
 - FIG 10. Global Protective Clothing Market by segment, 2020 & 2030 (USD Billion)
 - FIG 11. Global Protective Clothing Market by segment, 2020 & 2030 (USD Billion)
 - FIG 12. Global Protective Clothing Market by segment, 2020 & 2030 (USD Billion)
 - FIG 13. Global Protective Clothing Market by segment, 2020 & 2030 (USD Billion)
 - FIG 14. Global Protective Clothing Market, regional snapshot 2020 & 2030
 - FIG 15. North America Protective Clothing Market 2020 & 2030 (USD Billion)
 - FIG 16. Europe Protective Clothing Market 2020 & 2030 (USD Billion)
 - FIG 17. Asia pacific Protective Clothing Market 2020 & 2030 (USD Billion)
 - FIG 18. Latin America Protective Clothing Market 2020 & 2030 (USD Billion)
 - FIG 19. Middle East & Africa Protective Clothing Market 2020 & 2030 (USD Billion)
- List of tables and figures are dummy in nature, final lists may vary in the final deliverable

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