

Global Plastics in Personal Protective Equipment Market Size Study, by Product (Polyethylene (PE), Polypropylene (PP), Others), by Application, and Regional Forecasts 2022-2032

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Abstracts

The Global Plastics in Personal Protective Equipment (PPE) Market was valued at approximately USD 19.06 billion in 2023 and is projected to expand at a CAGR of 11.40% over the forecast period 2024-2032. The increasing demand for personal protective equipment across healthcare, industrial, and manufacturing sectors has significantly propelled the growth of plastics in PPE. These materials, known for their durability, lightweight properties, and cost-effectiveness, are widely utilized in medical masks, face shields, gloves, protective gowns, and safety goggles. The COVID-19 pandemic further accelerated the demand for high-performance PPE, spurring innovations in plastic formulations that enhance protection, breathability, and recyclability.

The surge in global health awareness, coupled with stringent workplace safety regulations, has led to an increased adoption of advanced plastic-based PPE. Market players are increasingly focusing on developing bio-based and recycled plastics to meet sustainability targets while maintaining product efficacy. The growing investments in research and development for antimicrobial plastics and high-barrier protective gear are further shaping industry trends. However, concerns regarding plastic waste management and environmental impact pose challenges, prompting governments and manufacturers to explore circular economy strategies and innovative recycling techniques.

The market is witnessing notable developments in the adoption of polyethylene (PE) and polypropylene (PP) due to their excellent resistance to chemicals and

contaminants. The expansion of the healthcare sector, coupled with a growing emphasis on worker safety in industries such as construction, chemicals, and mining, is driving the market demand. Additionally, technological advancements in polymer engineering are enabling the production of PPE with enhanced comfort, durability, and reusability, thereby expanding the consumer base.

Geographically, North America holds a dominant share in the market, driven by stringent regulatory frameworks and a well-established healthcare infrastructure. The region's heightened focus on occupational safety, along with continuous innovations in medical-grade plastics, contributes to market growth. Europe follows closely, benefiting from strong governmental policies advocating for eco-friendly and sustainable PPE solutions. Meanwhile, the Asia-Pacific region is expected to witness the fastest growth due to rapid industrialization, expanding healthcare facilities, and increasing safety awareness among emerging economies such as China, India, and Japan.

Major Market Players Included in This Report:

3M Company

Honeywell International Inc.

DuPont de Nemours, Inc.

Ansell Ltd.

MSA Safety Incorporated

Kimberly-Clark Corporation

Alpha Pro Tech, Ltd.

Lakeland Industries, Inc.

Moldex-Metric, Inc.

UVEX Safety Group GmbH & Co. KG

COFRA S.r.l.

Dr?gerwerk AG & Co. KGaA

JSP Ltd.

Globus Group

Delta Plus Group

The Detailed Segments and Sub-segments of the Market are Explained Below:

By Product:

Polyethylene (PE)

Polypropylene (PP)

Others

By Application:

Healthcare

Industrial & Manufacturing

Construction

Chemical

Mining

Others

By Region:

North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Rest of Latin America

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years Considered for the Study:

Historical Year: 2022

Base Year: 2023

Forecast Period: 2024 to 2032

Key Takeaways:

Market estimates & forecasts for 10 years (2022-2032).

Annualized revenue breakdown and regional-level analysis for each segment.

Detailed geographical assessment with country-level insights.

Competitive landscape overview with insights on major industry players.

Analysis of key business strategies and recommendations for future market expansion.

Evaluation of market structure and competition.

Demand-side and supply-side dynamics analysis.

Contents

CHAPTER 1. GLOBAL PLASTICS IN PERSONAL PROTECTIVE EQUIPMENT MARKET EXECUTIVE SUMMARY

1.1. Global Plastics in PPE Market Size & Forecast (2022-2032)

1.2. Regional Summary

1.3. Segmental Summary

1.3.1. {By Product}

- Polyethylene (PE)
- Polypropylene (PP)
- Others

1.3.2. {By Application}

- Healthcare
- Industrial & Manufacturing
- Construction
- Chemical
- Mining
- Others

1.4. Key Trends

1.5. Recession Impact

1.6. Analyst Recommendation & Conclusion

CHAPTER 2. GLOBAL PLASTICS IN PPE MARKET DEFINITION AND RESEARCH ASSUMPTIONS

2.1. Research Objective

2.2. Market Definition

2.3. Research Assumptions

2.3.1. Inclusion & Exclusion

2.3.2. Limitations

2.3.3. Supply Side Analysis

2.3.3.1. Availability

2.3.3.2. Infrastructure

2.3.3.3. Regulatory Environment

2.3.3.4. Market Competition

2.3.3.5. Economic Viability (Consumer's Perspective)

2.3.4. Demand Side Analysis

2.3.4.1. Regulatory Frameworks

- 2.3.4.2. Technological Advancements
- 2.3.4.3. Environmental Considerations
- 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

CHAPTER 3. GLOBAL PLASTICS IN PPE MARKET DYNAMICS

- 3.1. Market Drivers
 - 3.1.1. Increasing Demand for PPE in Healthcare
 - 3.1.2. Industrial and Manufacturing Safety Regulations
 - 3.1.3. Technological Advancements in Plastic Formulations
- 3.2. Market Challenges
 - 3.2.1. Plastic Waste Management and Environmental Impact
 - 3.2.2. Regulatory Compliance and Cost Pressures
- 3.3. Market Opportunities
 - 3.3.1. Adoption of Bio-based and Recycled Plastics
 - 3.3.2. Innovations in Antimicrobial and High-Barrier Plastics
 - 3.3.3. Expansion in Emerging Economies

CHAPTER 4. GLOBAL PLASTICS IN PPE 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
 - 4.1.6. Futuristic Approach to Porter's 5 Force Model
 - 4.1.7. Porter's 5 Force Impact Analysis
- 4.2. PESTEL Analysis
 - 4.2.1. Political
 - 4.2.2. Economical
 - 4.2.3. Social
 - 4.2.4. Technological
 - 4.2.5. Environmental
 - 4.2.6. Legal
- 4.3. Top Investment Opportunity

- 4.4. Top Winning Strategies
- 4.5. Disruptive Trends
- 4.6. Industry Expert Perspective
- 4.7. Analyst Recommendation & Conclusion

CHAPTER 5. GLOBAL PLASTICS IN PPE MARKET SIZE & FORECASTS BY PRODUCT 2022-2032

- 5.1. Segment Dashboard
- 5.2. Global Plastics in PPE Market: Product Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 5.2.1. Polyethylene (PE)
 - 5.2.2. Polypropylene (PP)
 - 5.2.3. Others

CHAPTER 6. GLOBAL PLASTICS IN PPE MARKET SIZE & FORECASTS BY APPLICATION 2022-2032

- 6.1. Segment Dashboard
- 6.2. Global Plastics in PPE Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Million/Billion)
 - 6.2.1. Healthcare
 - 6.2.2. Industrial & Manufacturing
 - 6.2.3. Construction
 - 6.2.4. Chemical
 - 6.2.5. Mining
 - 6.2.6. Others

CHAPTER 7. GLOBAL PLASTICS IN PPE MARKET SIZE & FORECASTS BY REGION 2022-2032

- 7.1. North America PPE Market
 - 7.1.1. U.S. PPE Market
 - 7.1.1.1. {Product} breakdown size & forecasts, 2022-2032
 - 7.1.1.2. {Application} breakdown size & forecasts, 2022-2032
 - 7.1.2. Canada PPE Market
- 7.2. Europe PPE Market
 - 7.2.1. U.K. PPE Market
 - 7.2.2. Germany PPE Market

- 7.2.3. France PPE Market
- 7.2.4. Spain PPE Market
- 7.2.5. Italy PPE Market
- 7.2.6. Rest of Europe PPE Market
- 7.3. Asia-Pacific PPE Market
 - 7.3.1. China PPE Market
 - 7.3.2. India PPE Market
 - 7.3.3. Japan PPE Market
 - 7.3.4. Australia PPE Market
 - 7.3.5. South Korea PPE Market
 - 7.3.6. Rest of Asia-Pacific PPE Market
- 7.4. Latin America PPE Market
 - 7.4.1. Brazil PPE Market
 - 7.4.2. Mexico PPE Market
 - 7.4.3. Rest of Latin America PPE Market
- 7.5. Middle East & Africa PPE Market
 - 7.5.1. Saudi Arabia PPE Market
 - 7.5.2. South Africa PPE Market
 - 7.5.3. Rest of Middle East & Africa PPE Market

CHAPTER 8. COMPETITIVE INTELLIGENCE

- 8.1. Key Company SWOT Analysis
 - 8.1.1. 3M Company
 - 8.1.2. Honeywell International Inc.
 - 8.1.3. DuPont de Nemours, Inc.
- 8.2. Top Market Strategies
- 8.3. Company Profiles
 - 8.3.1. 3M Company
 - 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. Market Strategies
 - 8.3.2. Honeywell International Inc.
 - 8.3.3. DuPont de Nemours, Inc.
 - 8.3.4. Ansell Ltd.
 - 8.3.5. MSA Safety Incorporated
 - 8.3.6. Kimberly-Clark Corporation

- 8.3.7. Alpha Pro Tech, Ltd.
- 8.3.8. Lakeland Industries, Inc.
- 8.3.9. Moldex-Metric, Inc.
- 8.3.10. UVEX Safety Group GmbH & Co. KG
- 8.3.11. COFRA S.r.l.
- 8.3.12. Drägerwerk AG & Co. KGaA
- 8.3.13. JSP Ltd.
- 8.3.14. Globus Group
- 8.3.15. Delta Plus Group

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

List Of Tables

LIST OF TABLES

TABLE 1. Global Plastics in PPE Market, report scope
TABLE 2. Global Plastics in PPE Market estimates & forecasts by Region 2022-2032 (USD Million/Billion)
TABLE 3. Global Plastics in PPE Market estimates & forecasts by Product 2022-2032 (USD Million/Billion)
TABLE 4. Global Plastics in PPE Market estimates & forecasts by Application 2022-2032 (USD Million/Billion)
TABLE 5. Global Plastics in PPE Market by segment, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 6. Global Plastics in PPE Market by region, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 7. Global Plastics in PPE Market by segment, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 8. Global Plastics in PPE Market by region, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 9. Global Plastics in PPE Market by segment, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 10. Global Plastics in PPE Market by region, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 11. Global Plastics in PPE Market by segment, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 12. Global Plastics in PPE Market by region, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 13. Global Plastics in PPE Market by segment, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 14. Global Plastics in PPE Market by region, estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 15. U.S. PPE Market estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 16. U.S. PPE Market estimates & forecasts by segment 2022-2032 (USD Million/Billion)
TABLE 17. U.S. PPE Market estimates & forecasts by segment 2022-2032 (USD Million/Billion)
TABLE 18. Canada PPE Market estimates & forecasts, 2022-2032 (USD Million/Billion)
TABLE 19. Canada PPE Market estimates & forecasts by segment 2022-2032 (USD Million/Billion)

TABLE 20. Canada PPE Market estimates & forecasts by segment 2022-2032 (USD Million/Billion)

.....

(This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.)

List Of Figures

LIST OF FIGURES

- FIG 1. Global Plastics in PPE Market, research methodology
- FIG 2. Global Plastics in PPE Market, market estimation techniques
- FIG 3. Global Plastics in PPE Market size estimates & forecast methods.
- FIG 4. Global Plastics in PPE Market, key trends 2023
- FIG 5. Global Plastics in PPE Market, growth prospects 2022-2032
- FIG 6. Global Plastics in PPE Market, porter's 5 force model
- FIG 7. Global Plastics in PPE Market, PESTEL analysis
- FIG 8. Global Plastics in PPE Market, value chain analysis
- FIG 9. Global Plastics in PPE Market by segment, 2022 & 2032 (USD Million/Billion)
- FIG 10. Global Plastics in PPE Market by segment, 2022 & 2032 (USD Million/Billion)
- FIG 11. Global Plastics in PPE Market by segment, 2022 & 2032 (USD Million/Billion)
- FIG 12. Global Plastics in PPE Market by segment, 2022 & 2032 (USD Million/Billion)
- FIG 13. Global Plastics in PPE Market by segment, 2022 & 2032 (USD Million/Billion)
- FIG 14. Global Plastics in PPE Market, regional snapshot 2022 & 2032
- FIG 15. North America PPE Market 2022 & 2032 (USD Million/Billion)
- FIG 16. Europe PPE Market 2022 & 2032 (USD Million/Billion)
- FIG 17. Asia-Pacific PPE Market 2022 & 2032 (USD Million/Billion)
- FIG 18. Latin America PPE Market 2022 & 2032 (USD Million/Billion)
- FIG 19. Middle East & Africa PPE Market 2022 & 2032 (USD Million/Billion)
- FIG 20. Global Plastics in PPE Market, company market share analysis (2023)

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(This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.)

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