

Global Cold Chain Refrigerant Bag Market Research Report 2025(Status and Outlook)

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Abstracts

Cold chain refrigerant bags are specialized insulated containers designed for the temperature-controlled storage and transport of perishable items, pharmaceuticals, biologics, or temperature-sensitive chemicals, utilizing phase-change materials (PCMs) such as gel packs, dry ice, or liquid nitrogen to maintain specific thermal conditions over extended periods; these bags are typically constructed from durable, waterproof, and insulating materials like polyethylene, polyurethane foam, or multi-layered composites with reflective linings to minimize heat transfer, and they often feature secure closures, portability elements like handles or straps, and compatibility with various cold sources to ensure stability within required temperature ranges, whether for chilled, frozen, or ultra-low applications. The market for cold chain refrigerant bags is expanding due to increasing global demand for perishable goods, growth in pharmaceutical and biotech sectors requiring strict temperature control, and rising consumer expectations for fresh and quality-assured products, alongside advancements in material science enhancing thermal efficiency, durability, and sustainability; key drivers include the expansion of e-commerce and food delivery services, stringent regulatory standards for product integrity, and the need for portable, flexible cold chain solutions in both commercial and healthcare settings, though challenges such as cost sensitivity, environmental concerns over single-use plastics, and competition from reusable or active cooling systems may influence adoption rates and innovation focus.

The global Cold Chain Refrigerant Bag market size was estimated at USD 1450.5 million in 2024 and is projected to grow at a compound annual growth rate (CAGR) of 7.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Cold Chain Refrigerant Bag market, covering all critical facets from a broad macroeconomic

overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Cold Chain Refrigerant Bag market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Cold Chain Refrigerant Bag market.

Global Cold Chain Refrigerant Bag Market: Market Segmentation Analysis

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

Key Company

Cold Chain Technologies
Sonoco Thermosafe
THERMOCON

Creative Packaging Company
Nordic Cold Chain Solutions
Tempack
Cryopack
Pelton Shepherd Industries
Sancell
Cold Chain Science Enterprises
Rapid Aid
CoolPac

Market Segmentation (by Type)

Gel Packs
Foam Bricks Packs
Others

Market Segmentation (by Application)

Pharmaceuticals
Food
Others

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study
Neutral perspective on the market performance
Recent industry trends and developments
Competitive landscape & strategies of key players
Potential & niche segments and regions exhibiting promising growth covered
Historical, current, and projected market size, in terms of value
In-depth analysis of the Cold Chain Refrigerant Bag Market
Overview of the regional outlook of the Cold Chain Refrigerant Bag Market:

Customization of the Report

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Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Cold Chain Refrigerant Bag Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Cold Chain Refrigerant Bag, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change

This enables you to anticipate market changes to remain ahead of your competitors

You will be able to copy data from the Excel spreadsheet straight into your marketing plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

1.1 Market Definition and Statistical Scope of Cold Chain Refrigerant Bag

1.2 Key Market Segments

1.2.1 Cold Chain Refrigerant Bag Segment by Type

1.2.2 Cold Chain Refrigerant Bag Segment by Application

1.3 Methodology & Sources of Information

1.3.1 Research Methodology

1.3.2 Research Process

1.3.3 Market Breakdown and Data Triangulation

1.3.4 Base Year

1.3.5 Report Assumptions & Caveats

2 COLD CHAIN REFRIGERANT BAG MARKET OVERVIEW

2.1 Global Market Overview

2.1.1 Global Cold Chain Refrigerant Bag Market Size (M USD) Estimates and Forecasts (2020-2033)

2.1.2 Global Cold Chain Refrigerant Bag Sales Estimates and Forecasts (2020-2033)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

3 COLD CHAIN REFRIGERANT BAG MARKET COMPETITIVE LANDSCAPE

3.1 Company Assessment Quadrant

3.2 Global Cold Chain Refrigerant Bag Product Life Cycle

3.3 Global Cold Chain Refrigerant Bag Sales by Manufacturers (2020-2025)

3.4 Global Cold Chain Refrigerant Bag Revenue Market Share by Manufacturers (2020-2025)

3.5 Cold Chain Refrigerant Bag Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Cold Chain Refrigerant Bag Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Cold Chain Refrigerant Bag Market Competitive Situation and Trends

3.8.1 Cold Chain Refrigerant Bag Market Concentration Rate

3.8.2 Global 5 and 10 Largest Cold Chain Refrigerant Bag Players Market Share by Revenue

3.8.3 Mergers & Acquisitions, Expansion

4 COLD CHAIN REFRIGERANT BAG INDUSTRY CHAIN ANALYSIS

4.1 Cold Chain Refrigerant Bag Industry Chain Analysis

4.2 Market Overview of Key Raw Materials

4.3 Midstream Market Analysis

4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF COLD CHAIN REFRIGERANT BAG MARKET

5.1 Key Development Trends

5.2 Driving Factors

5.3 Market Challenges

5.4 Industry News

5.4.1 New Product Developments

5.4.2 Mergers & Acquisitions

5.4.3 Expansions

5.4.4 Collaboration/Supply Contracts

5.5 PEST Analysis

5.5.1 Industry Policies Analysis

5.5.2 Economic Environment Analysis

5.5.3 Social Environment Analysis

5.5.4 Technological Environment Analysis

5.6 Global Cold Chain Refrigerant Bag Market Porter's Five Forces Analysis

5.6.1 Global Trade Frictions

5.6.2 U.S. Tariff Policy ? April 2025

5.6.3 Global Trade Frictions and Their Impacts to Cold Chain Refrigerant Bag Market

5.7 ESG Ratings of Leading Companies

6 COLD CHAIN REFRIGERANT BAG MARKET SEGMENTATION BY TYPE

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Cold Chain Refrigerant Bag Sales Market Share by Type (2020-2025)

6.3 Global Cold Chain Refrigerant Bag Market Size Market Share by Type (2020-2025)

6.4 Global Cold Chain Refrigerant Bag Price by Type (2020-2025)

7 COLD CHAIN REFRIGERANT BAG MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Cold Chain Refrigerant Bag Market Sales by Application (2020-2025)
- 7.3 Global Cold Chain Refrigerant Bag Market Size (M USD) by Application (2020-2025)
- 7.4 Global Cold Chain Refrigerant Bag Sales Growth Rate by Application (2020-2025)

8 COLD CHAIN REFRIGERANT BAG MARKET SALES BY REGION

- 8.1 Global Cold Chain Refrigerant Bag Sales by Region
 - 8.1.1 Global Cold Chain Refrigerant Bag Sales by Region
 - 8.1.2 Global Cold Chain Refrigerant Bag Sales Market Share by Region
- 8.2 Global Cold Chain Refrigerant Bag Market Size by Region
 - 8.2.1 Global Cold Chain Refrigerant Bag Market Size by Region
 - 8.2.2 Global Cold Chain Refrigerant Bag Market Size Market Share by Region
- 8.3 North America
 - 8.3.1 North America Cold Chain Refrigerant Bag Sales by Country
 - 8.3.2 North America Cold Chain Refrigerant Bag Market Size by Country
 - 8.3.3 U.S. Market Overview
 - 8.3.4 Canada Market Overview
 - 8.3.5 Mexico Market Overview
- 8.4 Europe
 - 8.4.1 Europe Cold Chain Refrigerant Bag Sales by Country
 - 8.4.2 Europe Cold Chain Refrigerant Bag Market Size by Country
 - 8.4.3 Germany Market Overview
 - 8.4.4 France Market Overview
 - 8.4.5 U.K. Market Overview
 - 8.4.6 Italy Market Overview
 - 8.4.7 Spain Market Overview
- 8.5 Asia Pacific
 - 8.5.1 Asia Pacific Cold Chain Refrigerant Bag Sales by Region
 - 8.5.2 Asia Pacific Cold Chain Refrigerant Bag Market Size by Region
 - 8.5.3 China Market Overview
 - 8.5.4 Japan Market Overview
 - 8.5.5 South Korea Market Overview
 - 8.5.6 India Market Overview
 - 8.5.7 Southeast Asia Market Overview
- 8.6 South America
 - 8.6.1 South America Cold Chain Refrigerant Bag Sales by Country

8.6.2 South America Cold Chain Refrigerant Bag Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

8.7.1 Middle East and Africa Cold Chain Refrigerant Bag Sales by Region

8.7.2 Middle East and Africa Cold Chain Refrigerant Bag Market Size by Region

8.7.3 Saudi Arabia Market Overview

8.7.4 UAE Market Overview

8.7.5 Egypt Market Overview

8.7.6 Nigeria Market Overview

8.7.7 South Africa Market Overview

9 COLD CHAIN REFRIGERANT BAG MARKET PRODUCTION BY REGION

9.1 Global Production of Cold Chain Refrigerant Bag by Region(2020-2025)

9.2 Global Cold Chain Refrigerant Bag Revenue Market Share by Region (2020-2025)

9.3 Global Cold Chain Refrigerant Bag Production, Revenue, Price and Gross Margin (2020-2025)

9.4 North America Cold Chain Refrigerant Bag Production

9.4.1 North America Cold Chain Refrigerant Bag Production Growth Rate (2020-2025)

9.4.2 North America Cold Chain Refrigerant Bag Production, Revenue, Price and Gross Margin (2020-2025)

9.5 Europe Cold Chain Refrigerant Bag Production

9.5.1 Europe Cold Chain Refrigerant Bag Production Growth Rate (2020-2025)

9.5.2 Europe Cold Chain Refrigerant Bag Production, Revenue, Price and Gross Margin (2020-2025)

9.6 Japan Cold Chain Refrigerant Bag Production (2020-2025)

9.6.1 Japan Cold Chain Refrigerant Bag Production Growth Rate (2020-2025)

9.6.2 Japan Cold Chain Refrigerant Bag Production, Revenue, Price and Gross Margin (2020-2025)

9.7 China Cold Chain Refrigerant Bag Production (2020-2025)

9.7.1 China Cold Chain Refrigerant Bag Production Growth Rate (2020-2025)

9.7.2 China Cold Chain Refrigerant Bag Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

10.1 Cold Chain Technologies

- 10.1.1 Cold Chain Technologies Basic Information
- 10.1.2 Cold Chain Technologies Cold Chain Refrigerant Bag Product Overview
- 10.1.3 Cold Chain Technologies Cold Chain Refrigerant Bag Product Market Performance
- 10.1.4 Cold Chain Technologies Business Overview
- 10.1.5 Cold Chain Technologies SWOT Analysis
- 10.1.6 Cold Chain Technologies Recent Developments
- 10.2 Sonoco Thermosafe
 - 10.2.1 Sonoco Thermosafe Basic Information
 - 10.2.2 Sonoco Thermosafe Cold Chain Refrigerant Bag Product Overview
 - 10.2.3 Sonoco Thermosafe Cold Chain Refrigerant Bag Product Market Performance
 - 10.2.4 Sonoco Thermosafe Business Overview
 - 10.2.5 Sonoco Thermosafe SWOT Analysis
 - 10.2.6 Sonoco Thermosafe Recent Developments
- 10.3 THERMOCON
 - 10.3.1 THERMOCON Basic Information
 - 10.3.2 THERMOCON Cold Chain Refrigerant Bag Product Overview
 - 10.3.3 THERMOCON Cold Chain Refrigerant Bag Product Market Performance
 - 10.3.4 THERMOCON Business Overview
 - 10.3.5 THERMOCON SWOT Analysis
 - 10.3.6 THERMOCON Recent Developments
- 10.4 Creative Packaging Company
 - 10.4.1 Creative Packaging Company Basic Information
 - 10.4.2 Creative Packaging Company Cold Chain Refrigerant Bag Product Overview
 - 10.4.3 Creative Packaging Company Cold Chain Refrigerant Bag Product Market Performance
 - 10.4.4 Creative Packaging Company Business Overview
 - 10.4.5 Creative Packaging Company Recent Developments
- 10.5 Nordic Cold Chain Solutions
 - 10.5.1 Nordic Cold Chain Solutions Basic Information
 - 10.5.2 Nordic Cold Chain Solutions Cold Chain Refrigerant Bag Product Overview
 - 10.5.3 Nordic Cold Chain Solutions Cold Chain Refrigerant Bag Product Market Performance
 - 10.5.4 Nordic Cold Chain Solutions Business Overview
 - 10.5.5 Nordic Cold Chain Solutions Recent Developments
- 10.6 Tempack
 - 10.6.1 Tempack Basic Information
 - 10.6.2 Tempack Cold Chain Refrigerant Bag Product Overview
 - 10.6.3 Tempack Cold Chain Refrigerant Bag Product Market Performance

- 10.6.4 Tempack Business Overview
- 10.6.5 Tempack Recent Developments
- 10.7 Cryopack
 - 10.7.1 Cryopack Basic Information
 - 10.7.2 Cryopack Cold Chain Refrigerant Bag Product Overview
 - 10.7.3 Cryopack Cold Chain Refrigerant Bag Product Market Performance
 - 10.7.4 Cryopack Business Overview
 - 10.7.5 Cryopack Recent Developments
- 10.8 Pelton Shepherd Industries
 - 10.8.1 Pelton Shepherd Industries Basic Information
 - 10.8.2 Pelton Shepherd Industries Cold Chain Refrigerant Bag Product Overview
 - 10.8.3 Pelton Shepherd Industries Cold Chain Refrigerant Bag Product Market Performance
 - 10.8.4 Pelton Shepherd Industries Business Overview
 - 10.8.5 Pelton Shepherd Industries Recent Developments
- 10.9 Sancell
 - 10.9.1 Sancell Basic Information
 - 10.9.2 Sancell Cold Chain Refrigerant Bag Product Overview
 - 10.9.3 Sancell Cold Chain Refrigerant Bag Product Market Performance
 - 10.9.4 Sancell Business Overview
 - 10.9.5 Sancell Recent Developments
- 10.10 Cold Chain Science Enterprises
 - 10.10.1 Cold Chain Science Enterprises Basic Information
 - 10.10.2 Cold Chain Science Enterprises Cold Chain Refrigerant Bag Product Overview
 - 10.10.3 Cold Chain Science Enterprises Cold Chain Refrigerant Bag Product Market Performance
 - 10.10.4 Cold Chain Science Enterprises Business Overview
 - 10.10.5 Cold Chain Science Enterprises Recent Developments
- 10.11 Rapid Aid
 - 10.11.1 Rapid Aid Basic Information
 - 10.11.2 Rapid Aid Cold Chain Refrigerant Bag Product Overview
 - 10.11.3 Rapid Aid Cold Chain Refrigerant Bag Product Market Performance
 - 10.11.4 Rapid Aid Business Overview
 - 10.11.5 Rapid Aid Recent Developments
- 10.12 CoolPac
 - 10.12.1 CoolPac Basic Information
 - 10.12.2 CoolPac Cold Chain Refrigerant Bag Product Overview
 - 10.12.3 CoolPac Cold Chain Refrigerant Bag Product Market Performance
 - 10.12.4 CoolPac Business Overview

10.12.5 CoolPac Recent Developments

11 COLD CHAIN REFRIGERANT BAG MARKET FORECAST BY REGION

11.1 Global Cold Chain Refrigerant Bag Market Size Forecast

11.2 Global Cold Chain Refrigerant Bag Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Cold Chain Refrigerant Bag Market Size Forecast by Country

11.2.3 Asia Pacific Cold Chain Refrigerant Bag Market Size Forecast by Region

11.2.4 South America Cold Chain Refrigerant Bag Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Cold Chain Refrigerant Bag by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

12.1 Global Cold Chain Refrigerant Bag Market Forecast by Type (2026-2033)

12.1.1 Global Forecasted Sales of Cold Chain Refrigerant Bag by Type (2026-2033)

12.1.2 Global Cold Chain Refrigerant Bag Market Size Forecast by Type (2026-2033)

12.1.3 Global Forecasted Price of Cold Chain Refrigerant Bag by Type (2026-2033)

12.2 Global Cold Chain Refrigerant Bag Market Forecast by Application (2026-2033)

12.2.1 Global Cold Chain Refrigerant Bag Sales (K Units) Forecast by Application

12.2.2 Global Cold Chain Refrigerant Bag Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

Table 1. Introduction of the Type

Table 2. Introduction of the Application

Table 3. Market Size (M USD) Segment Executive Summary

Table 4. Cold Chain Refrigerant Bag Market Size Comparison by Region (M USD)

Table 5. Global Cold Chain Refrigerant Bag Sales (K Units) by Manufacturers
(2020-2025)

Table 6. Global Cold Chain Refrigerant Bag Sales Market Share by Manufacturers
(2020-2025)

Table 7. Global Cold Chain Refrigerant Bag Revenue (M USD) by Manufacturers
(2020-2025)

Table 8. Global Cold Chain Refrigerant Bag Revenue Share by Manufacturers
(2020-2025)

Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Cold Chain Refrigerant Bag as of 2024)

Table 10. Global Market Cold Chain Refrigerant Bag Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 11. Manufacturers? Manufacturing Sites, Areas Served

Table 12. Manufacturers? Product Type

Table 13. Global Cold Chain Refrigerant Bag Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 14. Mergers & Acquisitions, Expansion Plans

Table 15. Market Overview of Key Raw Materials

Table 16. Midstream Market Analysis

Table 17. Downstream Customer Analysis

Table 18. Key Development Trends

Table 19. Driving Factors

Table 20. Cold Chain Refrigerant Bag Market Challenges

Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026

Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027

Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026

Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 25. Global Cold Chain Refrigerant Bag Sales by Type (K Units)

Table 26. Global Cold Chain Refrigerant Bag Market Size by Type (M USD)

Table 27. Global Cold Chain Refrigerant Bag Sales (K Units) by Type (2020-2025)

Table 28. Global Cold Chain Refrigerant Bag Sales Market Share by Type (2020-2025)

Table 29. Global Cold Chain Refrigerant Bag Market Size (M USD) by Type (2020-2025)

Table 30. Global Cold Chain Refrigerant Bag Market Size Share by Type (2020-2025)

Table 31. Global Cold Chain Refrigerant Bag Price (USD/Unit) by Type (2020-2025)

Table 32. Global Cold Chain Refrigerant Bag Sales (K Units) by Application

Table 33. Global Cold Chain Refrigerant Bag Market Size by Application

Table 34. Global Cold Chain Refrigerant Bag Sales by Application (2020-2025) & (K Units)

Table 35. Global Cold Chain Refrigerant Bag Sales Market Share by Application (2020-2025)

Table 36. Global Cold Chain Refrigerant Bag Market Size by Application (2020-2025) & (M USD)

Table 37. Global Cold Chain Refrigerant Bag Market Share by Application (2020-2025)

Table 38. Global Cold Chain Refrigerant Bag Sales Growth Rate by Application (2020-2025)

Table 39. Global Cold Chain Refrigerant Bag Sales by Region (2020-2025) & (K Units)

Table 40. Global Cold Chain Refrigerant Bag Sales Market Share by Region (2020-2025)

Table 41. Global Cold Chain Refrigerant Bag Market Size by Region (2020-2025) & (M USD)

Table 42. Global Cold Chain Refrigerant Bag Market Size Market Share by Region (2020-2025)

Table 43. North America Cold Chain Refrigerant Bag Sales by Country (2020-2025) & (K Units)

Table 44. North America Cold Chain Refrigerant Bag Market Size by Country (2020-2025) & (M USD)

Table 45. Europe Cold Chain Refrigerant Bag Sales by Country (2020-2025) & (K Units)

Table 46. Europe Cold Chain Refrigerant Bag Market Size by Country (2020-2025) & (M USD)

Table 47. Asia Pacific Cold Chain Refrigerant Bag Sales by Region (2020-2025) & (K Units)

Table 48. Asia Pacific Cold Chain Refrigerant Bag Market Size by Region (2020-2025) & (M USD)

Table 49. South America Cold Chain Refrigerant Bag Sales by Country (2020-2025) & (K Units)

Table 50. South America Cold Chain Refrigerant Bag Market Size by Country (2020-2025) & (M USD)

Table 51. Middle East and Africa Cold Chain Refrigerant Bag Sales by Region

(2020-2025) & (K Units)

Table 52. Middle East and Africa Cold Chain Refrigerant Bag Market Size by Region (2020-2025) & (M USD)

Table 53. Global Cold Chain Refrigerant Bag Production (K Units) by Region(2020-2025)

Table 54. Global Cold Chain Refrigerant Bag Revenue (US\$ Million) by Region (2020-2025)

Table 55. Global Cold Chain Refrigerant Bag Revenue Market Share by Region (2020-2025)

Table 56. Global Cold Chain Refrigerant Bag Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 57. North America Cold Chain Refrigerant Bag Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. Europe Cold Chain Refrigerant Bag Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Japan Cold Chain Refrigerant Bag Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. China Cold Chain Refrigerant Bag Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. Cold Chain Technologies Basic Information

Table 62. Cold Chain Technologies Cold Chain Refrigerant Bag Product Overview

Table 63. Cold Chain Technologies Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 64. Cold Chain Technologies Business Overview

Table 65. Cold Chain Technologies SWOT Analysis

Table 66. Cold Chain Technologies Recent Developments

Table 67. Sonoco Thermosafe Basic Information

Table 68. Sonoco Thermosafe Cold Chain Refrigerant Bag Product Overview

Table 69. Sonoco Thermosafe Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 70. Sonoco Thermosafe Business Overview

Table 71. Sonoco Thermosafe SWOT Analysis

Table 72. Sonoco Thermosafe Recent Developments

Table 73. THERMOCON Basic Information

Table 74. THERMOCON Cold Chain Refrigerant Bag Product Overview

Table 75. THERMOCON Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 76. THERMOCON Business Overview

Table 77. THERMOCON SWOT Analysis

Table 78. THERMOCON Recent Developments
Table 79. Creative Packaging Company Basic Information
Table 80. Creative Packaging Company Cold Chain Refrigerant Bag Product Overview
Table 81. Creative Packaging Company Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 82. Creative Packaging Company Business Overview
Table 83. Creative Packaging Company Recent Developments
Table 84. Nordic Cold Chain Solutions Basic Information
Table 85. Nordic Cold Chain Solutions Cold Chain Refrigerant Bag Product Overview
Table 86. Nordic Cold Chain Solutions Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 87. Nordic Cold Chain Solutions Business Overview
Table 88. Nordic Cold Chain Solutions Recent Developments
Table 89. Tempack Basic Information
Table 90. Tempack Cold Chain Refrigerant Bag Product Overview
Table 91. Tempack Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 92. Tempack Business Overview
Table 93. Tempack Recent Developments
Table 94. Cryopack Basic Information
Table 95. Cryopack Cold Chain Refrigerant Bag Product Overview
Table 96. Cryopack Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 97. Cryopack Business Overview
Table 98. Cryopack Recent Developments
Table 99. Pelton Shepherd Industries Basic Information
Table 100. Pelton Shepherd Industries Cold Chain Refrigerant Bag Product Overview
Table 101. Pelton Shepherd Industries Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 102. Pelton Shepherd Industries Business Overview
Table 103. Pelton Shepherd Industries Recent Developments
Table 104. Sancell Basic Information
Table 105. Sancell Cold Chain Refrigerant Bag Product Overview
Table 106. Sancell Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
Table 107. Sancell Business Overview
Table 108. Sancell Recent Developments
Table 109. Cold Chain Science Enterprises Basic Information
Table 110. Cold Chain Science Enterprises Cold Chain Refrigerant Bag Product

Overview

Table 111. Cold Chain Science Enterprises Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 112. Cold Chain Science Enterprises Business Overview

Table 113. Cold Chain Science Enterprises Recent Developments

Table 114. Rapid Aid Basic Information

Table 115. Rapid Aid Cold Chain Refrigerant Bag Product Overview

Table 116. Rapid Aid Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 117. Rapid Aid Business Overview

Table 118. Rapid Aid Recent Developments

Table 119. CoolPac Basic Information

Table 120. CoolPac Cold Chain Refrigerant Bag Product Overview

Table 121. CoolPac Cold Chain Refrigerant Bag Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 122. CoolPac Business Overview

Table 123. CoolPac Recent Developments

Table 124. Global Cold Chain Refrigerant Bag Sales Forecast by Region (2026-2033) & (K Units)

Table 125. Global Cold Chain Refrigerant Bag Market Size Forecast by Region (2026-2033) & (M USD)

Table 126. North America Cold Chain Refrigerant Bag Sales Forecast by Country (2026-2033) & (K Units)

Table 127. North America Cold Chain Refrigerant Bag Market Size Forecast by Country (2026-2033) & (M USD)

Table 128. Europe Cold Chain Refrigerant Bag Sales Forecast by Country (2026-2033) & (K Units)

Table 129. Europe Cold Chain Refrigerant Bag Market Size Forecast by Country (2026-2033) & (M USD)

Table 130. Asia Pacific Cold Chain Refrigerant Bag Sales Forecast by Region (2026-2033) & (K Units)

Table 131. Asia Pacific Cold Chain Refrigerant Bag Market Size Forecast by Region (2026-2033) & (M USD)

Table 132. South America Cold Chain Refrigerant Bag Sales Forecast by Country (2026-2033) & (K Units)

Table 133. South America Cold Chain Refrigerant Bag Market Size Forecast by Country (2026-2033) & (M USD)

Table 134. Middle East and Africa Cold Chain Refrigerant Bag Sales Forecast by Country (2026-2033) & (Units)

Table 135. Middle East and Africa Cold Chain Refrigerant Bag Market Size Forecast by Country (2026-2033) & (M USD)

Table 136. Global Cold Chain Refrigerant Bag Sales Forecast by Type (2026-2033) & (K Units)

Table 137. Global Cold Chain Refrigerant Bag Market Size Forecast by Type (2026-2033) & (M USD)

Table 138. Global Cold Chain Refrigerant Bag Price Forecast by Type (2026-2033) & (USD/Unit)

Table 139. Global Cold Chain Refrigerant Bag Sales (K Units) Forecast by Application (2026-2033)

Table 140. Global Cold Chain Refrigerant Bag Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Cold Chain Refrigerant Bag
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Cold Chain Refrigerant Bag Market Size (M USD), 2024-2033
- Figure 5. Global Cold Chain Refrigerant Bag Market Size (M USD) (2020-2033)
- Figure 6. Global Cold Chain Refrigerant Bag Sales (K Units) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Cold Chain Refrigerant Bag Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Cold Chain Refrigerant Bag Product Life Cycle
- Figure 13. Cold Chain Refrigerant Bag Sales Share by Manufacturers in 2024
- Figure 14. Global Cold Chain Refrigerant Bag Revenue Share by Manufacturers in 2024
- Figure 15. Cold Chain Refrigerant Bag Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Cold Chain Refrigerant Bag Average Price (USD/Unit) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Cold Chain Refrigerant Bag Revenue in 2024
- Figure 18. Industry Chain Map of Cold Chain Refrigerant Bag
- Figure 19. Global Cold Chain Refrigerant Bag Market PEST Analysis
- Figure 20. Global Cold Chain Refrigerant Bag Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Cold Chain Refrigerant Bag Market Share by Type
- Figure 27. Sales Market Share of Cold Chain Refrigerant Bag by Type (2020-2025)
- Figure 28. Sales Market Share of Cold Chain Refrigerant Bag by Type in 2024
- Figure 29. Market Size Share of Cold Chain Refrigerant Bag by Type (2020-2025)
- Figure 30. Market Size Share of Cold Chain Refrigerant Bag by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Cold Chain Refrigerant Bag Market Share by Application

Figure 33. Global Cold Chain Refrigerant Bag Sales Market Share by Application (2020-2025)

Figure 34. Global Cold Chain Refrigerant Bag Sales Market Share by Application in 2024

Figure 35. Global Cold Chain Refrigerant Bag Market Share by Application (2020-2025)

Figure 36. Global Cold Chain Refrigerant Bag Market Share by Application in 2024

Figure 37. Global Cold Chain Refrigerant Bag Sales Growth Rate by Application (2020-2025)

Figure 38. Global Cold Chain Refrigerant Bag Sales Market Share by Region (2020-2025)

Figure 39. Global Cold Chain Refrigerant Bag Market Size Market Share by Region (2020-2025)

Figure 40. North America Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 41. North America Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 42. North America Cold Chain Refrigerant Bag Sales Market Share by Country in 2024

Figure 43. North America Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Cold Chain Refrigerant Bag Market Size Market Share by Country in 2024

Figure 45. U.S. Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 46. U.S. Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Cold Chain Refrigerant Bag Sales (K Units) and Growth Rate (2020-2025)

Figure 48. Canada Cold Chain Refrigerant Bag Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Cold Chain Refrigerant Bag Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Cold Chain Refrigerant Bag Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 52. Europe Cold Chain Refrigerant Bag Sales Market Share by Country in 2024

Figure 53. Europe Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Cold Chain Refrigerant Bag Market Size Market Share by Country in 2024

Figure 55. Germany Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Cold Chain Refrigerant Bag Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Cold Chain Refrigerant Bag Sales Market Share by Region in 2024

Figure 67. Asia Pacific Cold Chain Refrigerant Bag Market Size Market Share by Region in 2024

Figure 68. China Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 75. India Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Cold Chain Refrigerant Bag Sales and Growth Rate (K Units)

Figure 79. South America Cold Chain Refrigerant Bag Sales Market Share by Country in 2024

Figure 80. South America Cold Chain Refrigerant Bag Market Size and Growth Rate (M USD)

Figure 81. South America Cold Chain Refrigerant Bag Market Size Market Share by Country in 2024

Figure 82. Brazil Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Cold Chain Refrigerant Bag Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Cold Chain Refrigerant Bag Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Cold Chain Refrigerant Bag Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Cold Chain Refrigerant Bag Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 95. UAE Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Cold Chain Refrigerant Bag Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Cold Chain Refrigerant Bag Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Cold Chain Refrigerant Bag Production Market Share by Region (2020-2025)

Figure 103. North America Cold Chain Refrigerant Bag Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Cold Chain Refrigerant Bag Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Cold Chain Refrigerant Bag Production (K Units) Growth Rate (2020-2025)

Figure 106. China Cold Chain Refrigerant Bag Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Cold Chain Refrigerant Bag Sales Forecast by Volume (2020-2033) & (K Units)

Figure 108. Global Cold Chain Refrigerant Bag Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Cold Chain Refrigerant Bag Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Cold Chain Refrigerant Bag Market Share Forecast by Type (2026-2033)

Figure 111. Global Cold Chain Refrigerant Bag Sales Forecast by Application (2026-2033)

Figure 112. Global Cold Chain Refrigerant Bag Market Share Forecast by Application (2026-2033)

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