

Global Resole Phenolic Resin Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Resole Phenolic Resin market size is expected to reach \$ 10835 million by 2032, rising at a market growth of 4.8% CAGR during the forecast period (2026-2032).

Resole phenolic resin is a thermosetting phenolic resin produced by the alkaline-catalyzed reaction of phenol and formaldehyde with an excess of formaldehyde, resulting in a low-molecular-weight, self-curing resin that hardens upon heating without the need for an external curing agent; it is widely used in wood adhesives, insulation foams, molding compounds, laminates, abrasives, friction materials, and foundry binders due to its strong adhesion, thermal stability, flame resistance, and chemical durability. The supply chain begins upstream with petrochemical raw materials—phenol (from cumene oxidation) and formaldehyde (from methanol oxidation)—along with alkaline catalysts and modifiers; midstream, chemical manufacturers synthesize resole resins via controlled condensation, followed by formulation, dilution, or modification into liquid resins, powders, or resol foams; downstream, these resins are supplied to compounders and end-use manufacturers in construction, automotive, aerospace, electrical insulation, and industrial manufacturing, where they are processed into finished components or used as binders and adhesives, with distribution handled through direct OEM supply and specialty chemical distributors. In 2025, global resole phenolic resin output reached about 4.1 million tons, supported by installed capacity of roughly 4.9 million tons per year, indicating moderate spare capacity. Average prices range from USD 1,450 to 2,900 per ton, while leading producers typically achieve gross margins of around 26%.

This report studies the global Resole Phenolic Resin production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Resole Phenolic Resin and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Resole Phenolic Resin that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Resole Phenolic Resin total production and demand, 2021-2032, (Tons)

Global Resole Phenolic Resin total production value, 2021-2032, (USD Million)

Global Resole Phenolic Resin production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (Tons), (based on production site)

Global Resole Phenolic Resin consumption by region & country, CAGR, 2021-2032 & (Tons)

U.S. VS China: Resole Phenolic Resin domestic production, consumption, key domestic manufacturers and share

Global Resole Phenolic Resin production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (Tons)

Global Resole Phenolic Resin production by Type, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

Global Resole Phenolic Resin production by Application, production, value, CAGR, 2021-2032, (USD Million) & (Tons)

This report profiles key players in the global Resole Phenolic Resin market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Hexion (USA), Capital Resin (USA), SI Group (USA), Akrochem (USA), Georgia-Pacific Chemicals (USA), Allnex (Germany), BASF (Germany), DIC Corporation (Japan), Sumitomo Bakelite (Japan), Asahi Yukizai (Japan), etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Resole Phenolic Resin market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$

Millions), volume (production, consumption) & (Tons) and average price (US\$/Ton) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Resole Phenolic Resin Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Resole Phenolic Resin Market, Segmentation by Type:

Liquid Resole Resin

Solid Resole Resin

Global Resole Phenolic Resin Market, Segmentation by Formaldehyde-to-phenol (F/P) Molar Ratio:

Low F/P Ratio (1.6)

Global Resole Phenolic Resin Market, Segmentation by Application:

Construction

Automotive

Industrial

Electronic

Others

Companies Profiled:

Hexion (USA)

Capital Resin (USA)

SI Group (USA)

Akrochem (USA)

Georgia-Pacific Chemicals (USA)

Allnex (Germany)

BASF (Germany)

DIC Corporation (Japan)

Sumitomo Bakelite (Japan)

Asahi Yukizai (Japan)

Kolon Industries (South Korea)

Runda New Material (China)

Jinan Shengquan Group (China)

Qingdao Scienoc Chemical (China)

Chia Hsin Resins (Taiwan)

Taiwan PU Corporation (Taiwan)

Shri Shakti Enterprises (India)

Key Questions Answered:

1. How big is the global Resole Phenolic Resin market?
2. What is the demand of the global Resole Phenolic Resin market?
3. What is the year over year growth of the global Resole Phenolic Resin market?
4. What is the production and production value of the global Resole Phenolic Resin market?
5. Who are the key producers in the global Resole Phenolic Resin market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Liquid Protease Enzyme Introduction
- 1.2 World Liquid Protease Enzyme Supply & Forecast
 - 1.2.1 World Liquid Protease Enzyme Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Liquid Protease Enzyme Production (2021-2032)
 - 1.2.3 World Liquid Protease Enzyme Pricing Trends (2021-2032)
- 1.3 World Liquid Protease Enzyme Production by Region (Based on Production Site)
 - 1.3.1 World Liquid Protease Enzyme Production Value by Region (2021-2032)
 - 1.3.2 World Liquid Protease Enzyme Production by Region (2021-2032)
 - 1.3.3 World Liquid Protease Enzyme Average Price by Region (2021-2032)
 - 1.3.4 North America Liquid Protease Enzyme Production (2021-2032)
 - 1.3.5 Europe Liquid Protease Enzyme Production (2021-2032)
 - 1.3.6 China Liquid Protease Enzyme Production (2021-2032)
 - 1.3.7 Japan Liquid Protease Enzyme Production (2021-2032)
 - 1.3.8 India Liquid Protease Enzyme Production (2021-2032)
 - 1.3.9 Southeast Asia Liquid Protease Enzyme Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Liquid Protease Enzyme Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Liquid Protease Enzyme Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Liquid Protease Enzyme Demand (2021-2032)
- 2.2 World Liquid Protease Enzyme Consumption by Region
 - 2.2.1 World Liquid Protease Enzyme Consumption by Region (2021-2026)
 - 2.2.2 World Liquid Protease Enzyme Consumption Forecast by Region (2027-2032)
- 2.3 United States Liquid Protease Enzyme Consumption (2021-2032)
- 2.4 China Liquid Protease Enzyme Consumption (2021-2032)
- 2.5 Europe Liquid Protease Enzyme Consumption (2021-2032)
- 2.6 Japan Liquid Protease Enzyme Consumption (2021-2032)
- 2.7 South Korea Liquid Protease Enzyme Consumption (2021-2032)
- 2.8 ASEAN Liquid Protease Enzyme Consumption (2021-2032)
- 2.9 India Liquid Protease Enzyme Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Liquid Protease Enzyme Production Value by Manufacturer (2021-2026)
- 3.2 World Liquid Protease Enzyme Production by Manufacturer (2021-2026)
- 3.3 World Liquid Protease Enzyme Average Price by Manufacturer (2021-2026)
- 3.4 Liquid Protease Enzyme Company Evaluation Quadrant
- 3.5 Industry Rank and Concentration Rate (CR)
 - 3.5.1 Global Liquid Protease Enzyme Industry Rank of Major Manufacturers
 - 3.5.2 Global Concentration Ratios (CR4) for Liquid Protease Enzyme in 2025
 - 3.5.3 Global Concentration Ratios (CR8) for Liquid Protease Enzyme in 2025
- 3.6 Liquid Protease Enzyme Market: Overall Company Footprint Analysis
 - 3.6.1 Liquid Protease Enzyme Market: Region Footprint
 - 3.6.2 Liquid Protease Enzyme Market: Company Product Type Footprint
 - 3.6.3 Liquid Protease Enzyme Market: Company Product Application Footprint
- 3.7 Competitive Environment
 - 3.7.1 Historical Structure of the Industry
 - 3.7.2 Barriers of Market Entry
 - 3.7.3 Factors of Competition
- 3.8 New Entrant and Capacity Expansion Plans
- 3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

- 4.1 United States VS China: Liquid Protease Enzyme Production Value Comparison
 - 4.1.1 United States VS China: Liquid Protease Enzyme Production Value Comparison (2021 & 2025 & 2032)
 - 4.1.2 United States VS China: Liquid Protease Enzyme Production Value Market Share Comparison (2021 & 2025 & 2032)
- 4.2 United States VS China: Liquid Protease Enzyme Production Comparison
 - 4.2.1 United States VS China: Liquid Protease Enzyme Production Comparison (2021 & 2025 & 2032)
 - 4.2.2 United States VS China: Liquid Protease Enzyme Production Market Share Comparison (2021 & 2025 & 2032)
- 4.3 United States VS China: Liquid Protease Enzyme Consumption Comparison
 - 4.3.1 United States VS China: Liquid Protease Enzyme Consumption Comparison (2021 & 2025 & 2032)
 - 4.3.2 United States VS China: Liquid Protease Enzyme Consumption Market Share Comparison (2021 & 2025 & 2032)
- 4.4 United States Based Liquid Protease Enzyme Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Liquid Protease Enzyme Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Liquid Protease Enzyme Production Value (2021-2026)

4.4.3 United States Based Manufacturers Liquid Protease Enzyme Production (2021-2026)

4.5 China Based Liquid Protease Enzyme Manufacturers and Market Share

4.5.1 China Based Liquid Protease Enzyme Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Liquid Protease Enzyme Production Value (2021-2026)

4.5.3 China Based Manufacturers Liquid Protease Enzyme Production (2021-2026)

4.6 Rest of World Based Liquid Protease Enzyme Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Liquid Protease Enzyme Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Liquid Protease Enzyme Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Liquid Protease Enzyme Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Liquid Protease Enzyme Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Microbial Fermentation Liquid Protease

5.2.2 Animal Tissue Extract Liquid Protease

5.2.3 Plant Extract Liquid Protease

5.3 Market Segment by Type

5.3.1 World Liquid Protease Enzyme Production by Type (2021-2032)

5.3.2 World Liquid Protease Enzyme Production Value by Type (2021-2032)

5.3.3 World Liquid Protease Enzyme Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY ENZYMATIC PROPERTIES

6.1 World Liquid Protease Enzyme Market Size Overview by Enzymatic Properties: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Enzymatic Properties

6.2.1 Acid

6.2.2 Neutral

6.2.3 Alkaline

6.3 Market Segment by Enzymatic Properties

6.3.1 World Liquid Protease Enzyme Production by Enzymatic Properties (2021-2032)

6.3.2 World Liquid Protease Enzyme Production Value by Enzymatic Properties (2021-2032)

6.3.3 World Liquid Protease Enzyme Average Price by Enzymatic Properties (2021-2032)

7 MARKET ANALYSIS BY APPLICATION

7.1 World Liquid Protease Enzyme Market Size Overview by Application: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Application

7.2.1 Food

7.2.2 Feed

7.2.3 Leather

7.2.4 Detergent

7.2.5 Biopharmaceutical

7.2.6 Other

7.3 Market Segment by Application

7.3.1 World Liquid Protease Enzyme Production by Application (2021-2032)

7.3.2 World Liquid Protease Enzyme Production Value by Application (2021-2032)

7.3.3 World Liquid Protease Enzyme Average Price by Application (2021-2032)

8 COMPANY PROFILES

8.1 Novonesis (CPH: NZYM B, Bagsv?rd Denmark)

8.1.1 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Details

8.1.2 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Major Business

8.1.3 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Liquid Protease Enzyme Product and Services

8.1.4 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.1.5 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Recent Developments/Updates

8.1.6 Novonesis (CPH: NZYM B, Bagsv?rd Denmark) Competitive Strengths & Weaknesses

8.2 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland)

- 8.2.1 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Details
- 8.2.2 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Major Business
- 8.2.3 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Liquid Protease Enzyme Product and Services
- 8.2.4 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.2.5 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Recent Developments/Updates
- 8.2.6 DSM-Firmenich AG (SIX: DSMF, Kaiseraugst Switzerland) Competitive Strengths & Weaknesses
- 8.3 AB Enzymes GmbH (Unlisted, Darmstadt Germany)
 - 8.3.1 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Details
 - 8.3.2 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Major Business
 - 8.3.3 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Liquid Protease Enzyme Product and Services
 - 8.3.4 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.3.5 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Recent Developments/Updates
 - 8.3.6 AB Enzymes GmbH (Unlisted, Darmstadt Germany) Competitive Strengths & Weaknesses
- 8.4 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA)
 - 8.4.1 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Details
 - 8.4.2 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Major Business
 - 8.4.3 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Liquid Protease Enzyme Product and Services
 - 8.4.4 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.4.5 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Recent Developments/Updates
 - 8.4.6 International Flavors & Fragrances Inc. (NYSE: IFF, New York USA) Competitive Strengths & Weaknesses
- 8.5 Adisseo (EPA: ADI, Antony France)
 - 8.5.1 Adisseo (EPA: ADI, Antony France) Details
 - 8.5.2 Adisseo (EPA: ADI, Antony France) Major Business
 - 8.5.3 Adisseo (EPA: ADI, Antony France) Liquid Protease Enzyme Product and Services

8.5.4 Adisseo (EPA: ADI, Antony France) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.5.5 Adisseo (EPA: ADI, Antony France) Recent Developments/Updates

8.5.6 Adisseo (EPA: ADI, Antony France) Competitive Strengths & Weaknesses

8.6 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan)

8.6.1 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Details

8.6.2 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Major Business

8.6.3 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Liquid Protease Enzyme Product and Services

8.6.4 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.6.5 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Recent Developments/Updates

8.6.6 Nagase & Co., Ltd. (TYO: 8012, Tokyo Japan) Competitive Strengths & Weaknesses

8.7 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China)

8.7.1 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Details

8.7.2 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Major Business

8.7.3 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Liquid Protease Enzyme Product and Services

8.7.4 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.7.5 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Recent Developments/Updates

8.7.6 Guangdong VTR Bio-Tech Co., Ltd. (SZSE: 300381, Guangdong China) Competitive Strengths & Weaknesses

8.8 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China)

8.8.1 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Details

8.8.2 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Major Business

8.8.3 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Liquid Protease Enzyme Product and Services

8.8.4 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.8.5 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Recent Developments/Updates

8.8.6 Shandong Vland Biotech Inc. (SHSE: 603739, Shandong China) Competitive Strengths & Weaknesses

8.9 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan)

- 8.9.1 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Details
- 8.9.2 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Major Business
- 8.9.3 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Liquid Protease Enzyme Product and Services
- 8.9.4 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.9.5 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Recent Developments/Updates
- 8.9.6 Amano Enzyme Inc. (TYO: 2802, Nagoya Japan) Competitive Strengths & Weaknesses
- 8.10 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India)
 - 8.10.1 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Details
 - 8.10.2 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Major Business
 - 8.10.3 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Liquid Protease Enzyme Product and Services
 - 8.10.4 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.10.5 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Recent Developments/Updates
 - 8.10.6 Advanced Enzyme Technologies Limited (NSE: ADVANZENZY, Maharashtra India) Competitive Strengths & Weaknesses
- 8.11 Creative Enzymes (Unlisted, New York USA)
 - 8.11.1 Creative Enzymes (Unlisted, New York USA) Details
 - 8.11.2 Creative Enzymes (Unlisted, New York USA) Major Business
 - 8.11.3 Creative Enzymes (Unlisted, New York USA) Liquid Protease Enzyme Product and Services
 - 8.11.4 Creative Enzymes (Unlisted, New York USA) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.11.5 Creative Enzymes (Unlisted, New York USA) Recent Developments/Updates
 - 8.11.6 Creative Enzymes (Unlisted, New York USA) Competitive Strengths & Weaknesses
- 8.12 Biocatalysts Ltd. (Unlisted, Wales UK)
 - 8.12.1 Biocatalysts Ltd. (Unlisted, Wales UK) Details
 - 8.12.2 Biocatalysts Ltd. (Unlisted, Wales UK) Major Business
 - 8.12.3 Biocatalysts Ltd. (Unlisted, Wales UK) Liquid Protease Enzyme Product and Services

8.12.4 Biocatalysts Ltd. (Unlisted, Wales UK) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.12.5 Biocatalysts Ltd. (Unlisted, Wales UK) Recent Developments/Updates

8.12.6 Biocatalysts Ltd. (Unlisted, Wales UK) Competitive Strengths & Weaknesses

8.13 SunHY(Unlisted, Hubei China)

8.13.1 SunHY(Unlisted, Hubei China) Details

8.13.2 SunHY(Unlisted, Hubei China) Major Business

8.13.3 SunHY(Unlisted, Hubei China) Liquid Protease Enzyme Product and Services

8.13.4 SunHY(Unlisted, Hubei China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.13.5 SunHY(Unlisted, Hubei China) Recent Developments/Updates

8.13.6 SunHY(Unlisted, Hubei China) Competitive Strengths & Weaknesses

8.14 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China)

8.14.1 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Details

8.14.2 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Major Business

8.14.3 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Liquid Protease Enzyme Product and Services

8.14.4 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.14.5 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Recent Developments/Updates

8.14.6 Hunan Hongying Biological Technology Co., Ltd. (Unlisted, Hunan China) Competitive Strengths & Weaknesses

8.15 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China)

8.15.1 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China) Details

8.15.2 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China) Major Business

8.15.3 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China) Liquid Protease Enzyme Product and Services

8.15.4 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.15.5 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China) Recent Developments/Updates

8.15.6 Shandong Sukahan Bio-Technology Co., Ltd. (Unlisted, Shandong China)

Competitive Strengths & Weaknesses

8.16 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China)

8.16.1 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Details

8.16.2 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Major Business

8.16.3 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Liquid Protease Enzyme Product and Services

8.16.4 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.16.5 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Recent Developments/Updates

8.16.6 Shandong Lonct Enzymes Co., Ltd. (Unlisted, Shandong China) Competitive Strengths & Weaknesses

8.17 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China)

8.17.1 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Details

8.17.2 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Major Business

8.17.3 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Liquid Protease Enzyme Product and Services

8.17.4 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.17.5 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Recent Developments/Updates

8.17.6 Beijing Solarbio Science & Technology Co., Ltd. (Unlisted, Beijing China) Competitive Strengths & Weaknesses

8.18 Sunsonzyme (Unlisted, Beijing China)

8.18.1 Sunsonzyme (Unlisted, Beijing China) Details

8.18.2 Sunsonzyme (Unlisted, Beijing China) Major Business

8.18.3 Sunsonzyme (Unlisted, Beijing China) Liquid Protease Enzyme Product and Services

8.18.4 Sunsonzyme (Unlisted, Beijing China) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)

8.18.5 Sunsonzyme (Unlisted, Beijing China) Recent Developments/Updates

8.18.6 Sunsonzyme (Unlisted, Beijing China) Competitive Strengths & Weaknesses

8.19 Wilton Bioscience (Unlisted, Gujarat India)

8.19.1 Wilton Bioscience (Unlisted, Gujarat India) Details

- 8.19.2 Wilton Bioscience (Unlisted, Gujarat India) Major Business
- 8.19.3 Wilton Bioscience (Unlisted, Gujarat India) Liquid Protease Enzyme Product and Services
- 8.19.4 Wilton Bioscience (Unlisted, Gujarat India) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 8.19.5 Wilton Bioscience (Unlisted, Gujarat India) Recent Developments/Updates
- 8.19.6 Wilton Bioscience (Unlisted, Gujarat India) Competitive Strengths & Weaknesses
- 8.20 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India)
 - 8.20.1 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Details
 - 8.20.2 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Major Business
 - 8.20.3 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Liquid Protease Enzyme Product and Services
 - 8.20.4 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Liquid Protease Enzyme Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 8.20.5 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Recent Developments/Updates
 - 8.20.6 Enzyme Bioscience Pvt. Ltd. (Unlisted, Gujarat India) Competitive Strengths & Weaknesses

9 INDUSTRY CHAIN ANALYSIS

- 9.1 Liquid Protease Enzyme Industry Chain
- 9.2 Liquid Protease Enzyme Upstream Analysis
 - 9.2.1 Liquid Protease Enzyme Core Raw Materials
 - 9.2.2 Main Manufacturers of Liquid Protease Enzyme Core Raw Materials
- 9.3 Midstream Analysis
- 9.4 Downstream Analysis
- 9.5 Liquid Protease Enzyme Production Mode
- 9.6 Liquid Protease Enzyme Procurement Model
- 9.7 Liquid Protease Enzyme Industry Sales Model and Sales Channels
 - 9.7.1 Liquid Protease Enzyme Sales Model
 - 9.7.2 Liquid Protease Enzyme Typical Distributors

10 RESEARCH FINDINGS AND CONCLUSION

11 APPENDIX

- 11.1 Methodology

11.2 Research Process and Data Source

11.3 Disclaimer

List Of Tables

LIST OF TABLES

Table 1. World Resole Phenolic Resin Production Value by Region (2021, 2025 and 2032) & (USD Million)

Table 2. World Resole Phenolic Resin Production Value by Region (2021-2026) & (USD Million)

Table 3. World Resole Phenolic Resin Production Value by Region (2027-2032) & (USD Million)

Table 4. World Resole Phenolic Resin Production Value Market Share by Region (2021-2026)

Table 5. World Resole Phenolic Resin Production Value Market Share by Region (2027-2032)

Table 6. World Resole Phenolic Resin Production by Region (2021-2026) & (Tons)

Table 7. World Resole Phenolic Resin Production by Region (2027-2032) & (Tons)

Table 8. World Resole Phenolic Resin Production Market Share by Region (2021-2026)

Table 9. World Resole Phenolic Resin Production Market Share by Region (2027-2032)

Table 10. World Resole Phenolic Resin Average Price by Region (2021-2026) & (US\$/Ton)

Table 11. World Resole Phenolic Resin Average Price by Region (2027-2032) & (US\$/Ton)

Table 12. Resole Phenolic Resin Major Market Trends

Table 13. World Resole Phenolic Resin Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (Tons)

Table 14. World Resole Phenolic Resin Consumption by Region (2021-2026) & (Tons)

Table 15. World Resole Phenolic Resin Consumption Forecast by Region (2027-2032) & (Tons)

Table 16. World Resole Phenolic Resin Production Value by Manufacturer (2021-2026) & (USD Million)

Table 17. Production Value Market Share of Key Resole Phenolic Resin Producers in 2025

Table 18. World Resole Phenolic Resin Production by Manufacturer (2021-2026) & (Tons)

Table 19. Production Market Share of Key Resole Phenolic Resin Producers in 2025

Table 20. World Resole Phenolic Resin Average Price by Manufacturer (2021-2026) & (US\$/Ton)

Table 21. Global Resole Phenolic Resin Company Evaluation Quadrant

Table 22. World Resole Phenolic Resin Industry Rank of Major Manufacturers, Based

on Production Value in 2025

Table 23. Head Office and Resole Phenolic Resin Production Site of Key Manufacturer

Table 24. Resole Phenolic Resin Market: Company Product Type Footprint

Table 25. Resole Phenolic Resin Market: Company Product Application Footprint

Table 26. Resole Phenolic Resin Competitive Factors

Table 27. Resole Phenolic Resin New Entrant and Capacity Expansion Plans

Table 28. Resole Phenolic Resin Mergers & Acquisitions Activity

Table 29. United States VS China Resole Phenolic Resin Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)

Table 30. United States VS China Resole Phenolic Resin Production Comparison, (2021 & 2025 & 2032) & (Tons)

Table 31. United States VS China Resole Phenolic Resin Consumption Comparison, (2021 & 2025 & 2032) & (Tons)

Table 32. United States Based Resole Phenolic Resin Manufacturers, Headquarters and Production Site (States, Country)

Table 33. United States Based Manufacturers Resole Phenolic Resin Production Value, (2021-2026) & (USD Million)

Table 34. United States Based Manufacturers Resole Phenolic Resin Production Value Market Share (2021-2026)

Table 35. United States Based Manufacturers Resole Phenolic Resin Production (2021-2026) & (Tons)

Table 36. United States Based Manufacturers Resole Phenolic Resin Production Market Share (2021-2026)

Table 37. China Based Resole Phenolic Resin Manufacturers, Headquarters and Production Site (Province, Country)

Table 38. China Based Manufacturers Resole Phenolic Resin Production Value, (2021-2026) & (USD Million)

Table 39. China Based Manufacturers Resole Phenolic Resin Production Value Market Share (2021-2026)

Table 40. China Based Manufacturers Resole Phenolic Resin Production, (2021-2026) & (Tons)

Table 41. China Based Manufacturers Resole Phenolic Resin Production Market Share (2021-2026)

Table 42. Rest of World Based Resole Phenolic Resin Manufacturers, Headquarters and Production Site (State, Country)

Table 43. Rest of World Based Manufacturers Resole Phenolic Resin Production Value, (2021-2026) & (USD Million)

Table 44. Rest of World Based Manufacturers Resole Phenolic Resin Production Value Market Share (2021-2026)

Table 45. Rest of World Based Manufacturers Resole Phenolic Resin Production, (2021-2026) & (Tons)

Table 46. Rest of World Based Manufacturers Resole Phenolic Resin Production Market Share (2021-2026)

Table 47. World Resole Phenolic Resin Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Resole Phenolic Resin Production by Type (2021-2026) & (Tons)

Table 49. World Resole Phenolic Resin Production by Type (2027-2032) & (Tons)

Table 50. World Resole Phenolic Resin Production Value by Type (2021-2026) & (USD Million)

Table 51. World Resole Phenolic Resin Production Value by Type (2027-2032) & (USD Million)

Table 52. World Resole Phenolic Resin Average Price by Type (2021-2026) & (US\$/Ton)

Table 53. World Resole Phenolic Resin Average Price by Type (2027-2032) & (US\$/Ton)

Table 54. World Resole Phenolic Resin Production Value by Formaldehyde-to-phenol (F/P) Molar Ratio, (USD Million), 2021 & 2025 & 2032

Table 55. World Resole Phenolic Resin Production by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2026) & (Tons)

Table 56. World Resole Phenolic Resin Production by Formaldehyde-to-phenol (F/P) Molar Ratio (2027-2032) & (Tons)

Table 57. World Resole Phenolic Resin Production Value by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2026) & (USD Million)

Table 58. World Resole Phenolic Resin Production Value by Formaldehyde-to-phenol (F/P) Molar Ratio (2027-2032) & (USD Million)

Table 59. World Resole Phenolic Resin Average Price by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2026) & (US\$/Ton)

Table 60. World Resole Phenolic Resin Average Price by Formaldehyde-to-phenol (F/P) Molar Ratio (2027-2032) & (US\$/Ton)

Table 61. World Resole Phenolic Resin Production Value by Application, (USD Million), 2021 & 2025 & 2032

Table 62. World Resole Phenolic Resin Production by Application (2021-2026) & (Tons)

Table 63. World Resole Phenolic Resin Production by Application (2027-2032) & (Tons)

Table 64. World Resole Phenolic Resin Production Value by Application (2021-2026) & (USD Million)

Table 65. World Resole Phenolic Resin Production Value by Application (2027-2032) & (USD Million)

Table 66. World Resole Phenolic Resin Average Price by Application (2021-2026) &

(US\$/Ton)

Table 67. World Resole Phenolic Resin Average Price by Application (2027-2032) & (US\$/Ton)

Table 68. Hexion (USA) Basic Information, Manufacturing Base and Competitors

Table 69. Hexion (USA) Major Business

Table 70. Hexion (USA) Resole Phenolic Resin Product and Services

Table 71. Hexion (USA) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 72. Hexion (USA) Recent Developments/Updates

Table 73. Hexion (USA) Competitive Strengths & Weaknesses

Table 74. Capital Resin (USA) Basic Information, Manufacturing Base and Competitors

Table 75. Capital Resin (USA) Major Business

Table 76. Capital Resin (USA) Resole Phenolic Resin Product and Services

Table 77. Capital Resin (USA) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 78. Capital Resin (USA) Recent Developments/Updates

Table 79. Capital Resin (USA) Competitive Strengths & Weaknesses

Table 80. SI Group (USA) Basic Information, Manufacturing Base and Competitors

Table 81. SI Group (USA) Major Business

Table 82. SI Group (USA) Resole Phenolic Resin Product and Services

Table 83. SI Group (USA) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 84. SI Group (USA) Recent Developments/Updates

Table 85. SI Group (USA) Competitive Strengths & Weaknesses

Table 86. Akrochem (USA) Basic Information, Manufacturing Base and Competitors

Table 87. Akrochem (USA) Major Business

Table 88. Akrochem (USA) Resole Phenolic Resin Product and Services

Table 89. Akrochem (USA) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 90. Akrochem (USA) Recent Developments/Updates

Table 91. Akrochem (USA) Competitive Strengths & Weaknesses

Table 92. Georgia-Pacific Chemicals (USA) Basic Information, Manufacturing Base and Competitors

Table 93. Georgia-Pacific Chemicals (USA) Major Business

Table 94. Georgia-Pacific Chemicals (USA) Resole Phenolic Resin Product and Services

Table 95. Georgia-Pacific Chemicals (USA) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share

(2021-2026)

Table 96. Georgia-Pacific Chemicals (USA) Recent Developments/Updates

Table 97. Georgia-Pacific Chemicals (USA) Competitive Strengths & Weaknesses

Table 98. Allnex (Germany) Basic Information, Manufacturing Base and Competitors

Table 99. Allnex (Germany) Major Business

Table 100. Allnex (Germany) Resole Phenolic Resin Product and Services

Table 101. Allnex (Germany) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 102. Allnex (Germany) Recent Developments/Updates

Table 103. Allnex (Germany) Competitive Strengths & Weaknesses

Table 104. BASF (Germany) Basic Information, Manufacturing Base and Competitors

Table 105. BASF (Germany) Major Business

Table 106. BASF (Germany) Resole Phenolic Resin Product and Services

Table 107. BASF (Germany) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 108. BASF (Germany) Recent Developments/Updates

Table 109. BASF (Germany) Competitive Strengths & Weaknesses

Table 110. DIC Corporation (Japan) Basic Information, Manufacturing Base and Competitors

Table 111. DIC Corporation (Japan) Major Business

Table 112. DIC Corporation (Japan) Resole Phenolic Resin Product and Services

Table 113. DIC Corporation (Japan) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 114. DIC Corporation (Japan) Recent Developments/Updates

Table 115. DIC Corporation (Japan) Competitive Strengths & Weaknesses

Table 116. Sumitomo Bakelite (Japan) Basic Information, Manufacturing Base and Competitors

Table 117. Sumitomo Bakelite (Japan) Major Business

Table 118. Sumitomo Bakelite (Japan) Resole Phenolic Resin Product and Services

Table 119. Sumitomo Bakelite (Japan) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 120. Sumitomo Bakelite (Japan) Recent Developments/Updates

Table 121. Sumitomo Bakelite (Japan) Competitive Strengths & Weaknesses

Table 122. Asahi Yukizai (Japan) Basic Information, Manufacturing Base and Competitors

Table 123. Asahi Yukizai (Japan) Major Business

Table 124. Asahi Yukizai (Japan) Resole Phenolic Resin Product and Services

Table 125. Asahi Yukizai (Japan) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 126. Asahi Yukizai (Japan) Recent Developments/Updates

Table 127. Asahi Yukizai (Japan) Competitive Strengths & Weaknesses

Table 128. Kolon Industries (South Korea) Basic Information, Manufacturing Base and Competitors

Table 129. Kolon Industries (South Korea) Major Business

Table 130. Kolon Industries (South Korea) Resole Phenolic Resin Product and Services

Table 131. Kolon Industries (South Korea) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 132. Kolon Industries (South Korea) Recent Developments/Updates

Table 133. Kolon Industries (South Korea) Competitive Strengths & Weaknesses

Table 134. Runda New Material (China) Basic Information, Manufacturing Base and Competitors

Table 135. Runda New Material (China) Major Business

Table 136. Runda New Material (China) Resole Phenolic Resin Product and Services

Table 137. Runda New Material (China) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 138. Runda New Material (China) Recent Developments/Updates

Table 139. Runda New Material (China) Competitive Strengths & Weaknesses

Table 140. Jinan Shengquan Group (China) Basic Information, Manufacturing Base and Competitors

Table 141. Jinan Shengquan Group (China) Major Business

Table 142. Jinan Shengquan Group (China) Resole Phenolic Resin Product and Services

Table 143. Jinan Shengquan Group (China) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 144. Jinan Shengquan Group (China) Recent Developments/Updates

Table 145. Jinan Shengquan Group (China) Competitive Strengths & Weaknesses

Table 146. Qingdao Scienoc Chemical (China) Basic Information, Manufacturing Base and Competitors

Table 147. Qingdao Scienoc Chemical (China) Major Business

Table 148. Qingdao Scienoc Chemical (China) Resole Phenolic Resin Product and

Services

Table 149. Qingdao Scienoc Chemical (China) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 150. Qingdao Scienoc Chemical (China) Recent Developments/Updates

Table 151. Qingdao Scienoc Chemical (China) Competitive Strengths & Weaknesses

Table 152. Chia Hsin Resins (Taiwan) Basic Information, Manufacturing Base and Competitors

Table 153. Chia Hsin Resins (Taiwan) Major Business

Table 154. Chia Hsin Resins (Taiwan) Resole Phenolic Resin Product and Services

Table 155. Chia Hsin Resins (Taiwan) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 156. Chia Hsin Resins (Taiwan) Recent Developments/Updates

Table 157. Chia Hsin Resins (Taiwan) Competitive Strengths & Weaknesses

Table 158. Taiwan PU Corporation (Taiwan) Basic Information, Manufacturing Base and Competitors

Table 159. Taiwan PU Corporation (Taiwan) Major Business

Table 160. Taiwan PU Corporation (Taiwan) Resole Phenolic Resin Product and Services

Table 161. Taiwan PU Corporation (Taiwan) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 162. Taiwan PU Corporation (Taiwan) Recent Developments/Updates

Table 163. Taiwan PU Corporation (Taiwan) Competitive Strengths & Weaknesses

Table 164. Shri Shakti Enterprises (India) Basic Information, Manufacturing Base and Competitors

Table 165. Shri Shakti Enterprises (India) Major Business

Table 166. Shri Shakti Enterprises (India) Resole Phenolic Resin Product and Services

Table 167. Shri Shakti Enterprises (India) Resole Phenolic Resin Production (Tons), Price (US\$/Ton), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 168. Shri Shakti Enterprises (India) Recent Developments/Updates

Table 169. Shri Shakti Enterprises (India) Competitive Strengths & Weaknesses

Table 170. Global Key Players of Resole Phenolic Resin Upstream (Raw Materials)

Table 171. Global Resole Phenolic Resin Typical Customers

Table 172. Resole Phenolic Resin Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Resole Phenolic Resin Picture

Figure 2. World Resole Phenolic Resin Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Resole Phenolic Resin Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 5. World Resole Phenolic Resin Average Price (2021-2032) & (US\$/Ton)

Figure 6. World Resole Phenolic Resin Production Value Market Share by Region (2021-2032)

Figure 7. World Resole Phenolic Resin Production Market Share by Region (2021-2032)

Figure 8. North America Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 9. Europe Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 10. China Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 11. Japan Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 12. India Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 13. Southeast Asia Resole Phenolic Resin Production (2021-2032) & (Tons)

Figure 14. Resole Phenolic Resin Market Drivers

Figure 15. Factors Affecting Demand

Figure 16. World Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 17. World Resole Phenolic Resin Consumption Market Share by Region (2021-2032)

Figure 18. United States Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 19. China Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 20. Europe Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 21. Japan Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 22. South Korea Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 23. ASEAN Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 24. India Resole Phenolic Resin Consumption (2021-2032) & (Tons)

Figure 25. Producer Shipments of Resole Phenolic Resin by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 26. Global Four-firm Concentration Ratios (CR4) for Resole Phenolic Resin Markets in 2025

Figure 27. Global Four-firm Concentration Ratios (CR8) for Resole Phenolic Resin Markets in 2025

Figure 28. United States VS China: Resole Phenolic Resin Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 29. United States VS China: Resole Phenolic Resin Production Market Share Comparison (2021 & 2025 & 2032)

Figure 30. United States VS China: Resole Phenolic Resin Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 31. United States Based Manufacturers Resole Phenolic Resin Production Market Share 2025

Figure 32. China Based Manufacturers Resole Phenolic Resin Production Market Share 2025

Figure 33. Rest of World Based Manufacturers Resole Phenolic Resin Production Market Share 2025

Figure 34. World Resole Phenolic Resin Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 35. World Resole Phenolic Resin Production Value Market Share by Type in 2025

Figure 36. Liquid Resole Resin

Figure 37. Solid Resole Resin

Figure 38. World Resole Phenolic Resin Production Market Share by Type (2021-2032)

Figure 39. World Resole Phenolic Resin Production Value Market Share by Type (2021-2032)

Figure 40. World Resole Phenolic Resin Average Price by Type (2021-2032) & (US\$/Ton)

Figure 41. World Resole Phenolic Resin Production Value by Formaldehyde-to-phenol (F/P) Molar Ratio, (USD Million), 2021 & 2025 & 2032

Figure 42. World Resole Phenolic Resin Production Value Market Share by Formaldehyde-to-phenol (F/P) Molar Ratio in 2025

Figure 43. Low F/P Ratio (1.6)

Figure 46. World Resole Phenolic Resin Production Market Share by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2032)

Figure 47. World Resole Phenolic Resin Production Value Market Share by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2032)

Figure 48. World Resole Phenolic Resin Average Price by Formaldehyde-to-phenol (F/P) Molar Ratio (2021-2032) & (US\$/Ton)

Figure 49. World Resole Phenolic Resin Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 50. World Resole Phenolic Resin Production Value Market Share by Application in 2025

Figure 51. Construction

Figure 52. Automotive

Figure 53. Industrial

Figure 54. Electronic

Figure 55. Others

Figure 56. World Resole Phenolic Resin Production Market Share by Application (2021-2032)

Figure 57. World Resole Phenolic Resin Production Value Market Share by Application (2021-2032)

Figure 58. World Resole Phenolic Resin Average Price by Application (2021-2032) & (US\$/Ton)

Figure 59. Resole Phenolic Resin Industry Chain

Figure 60. Resole Phenolic Resin Procurement Model

Figure 61. Resole Phenolic Resin Sales Model

Figure 62. Resole Phenolic Resin Sales Channels, Direct Sales, and Distribution

Figure 63. Methodology

Figure 64. Research Process and Data Source

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