

Impregnating Resins Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

https://marketpublishers.com/r/I9718BB35F32EN.html

Date: July 2023

Pages: 150

Price: US\$ 2,499.00 (Single User License)

ID: I9718BB35F32EN

Abstracts

Market Overview:

The global impregnating resins market size reached US\$ 1.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.7 Billion by 2028, exhibiting a growth rate (CAGR) of 6.4% during 2023-2028.

Impregnating resins, also known as secondary insulation materials, refer to organic liquid resins diluted with reactive thinners. They contain formaldehyde and are composed of dimers and trimers of the main molecule. They are thick and viscous that are used in the forest products industry for wood modification. Impregnating resins are also used in electric motors, filament winding, generators, home appliances, electrical components, and transformers. They exhibit electrical insulation, protection from climate changes, and mechanical stability. They provide resin protection and enhance heat transfer among iron cores, slot insulations, and wires wending.

Impregnating Resins Market Trends:

The significant growth in the automotive industry across the globe is creating a positive outlook for the market. Impregnating resins are widely used to impregnate starters, electric motors, and alternators in conventional vehicles and electric vehicles (EVs). In line with this, the implementation of various government initiatives to accelerate decarbonization and reduce greenhouse gas (GHG) emissions are favoring the market growth. Additionally, the widespread product adoption for producing transformers, generators, and motors, and impregnating varnishes and wire enamels is acting as another growth-inducing factor. Apart from this, the introduction of water-based impregnation resins that are designed to be more environmentally friendly than



conventional products is providing an impetus to the market growth. Moreover, the increasing demand for electrical and electronic components is facilitating the market growth. Resin impregnation of windings and copper wires prevents vibration, provides better insulation, increases heat exchange during regular operation, is resistant to stresses and temperature loads, and reduces the risk of short circuits in the windings, which, in turn, is augmenting the market growth. Other factors, including the widespread utilization of solvent-less impregnating resins, extensive research and development (R&D) activities, and the launch of advanced impregnating resins that makes the motor more protective and provides high mechanical stability, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global impregnating resins market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on type, form and application.

Breakup by Type:

Phenol Formaldehyde Urea Formaldehyde Melamine Formaldehyde

Breakup by Form:

Solventless Solvent-based Others

Breakup by Application:

Motors and Generators
Home Appliances
Transformer
Automotive Components
Others

Breakup by Region:



North America

United States

Canada

Asia-Pacific

China

Japan

India

South Korea

Australia

Indonesia

Others

Europe

Germany

France

United Kingdom

Italy

Spain

Russia

Others

Latin America

Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Aev Asia Sdn. Bhd., Axalta Coating Systems Ltd., BASF SE, Bodo M?ller Chemie GmbH, Elantas Pdg Inc. (Altana AG), Huntsman International LLC (Huntsman Corporation), Robnor ResinLab Ltd., Showa Denko Materials Co. Ltd, Von Roll Holding AG and Wacker Chemie AG.

Market Overview:

The global impregnating resins market size reached US\$ 1.9 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 2.7 Billion by 2028, exhibiting a growth rate (CAGR) of 6.4% during 2023-2028.

Impregnating resins, also known as secondary insulation materials, refer to organic liquid resins diluted with reactive thinners. They contain formaldehyde and are composed of dimers and trimers of the main molecule. They are thick and viscous that



are used in the forest products industry for wood modification. Impregnating resins are also used in electric motors, filament winding, generators, home appliances, electrical components, and transformers. They exhibit electrical insulation, protection from climate changes, and mechanical stability. They provide resin protection and enhance heat transfer among iron cores, slot insulations, and wires wending.

Impregnating Resins Market Trends:

The significant growth in the automotive industry across the globe is creating a positive outlook for the market. Impregnating resins are widely used to impregnate starters, electric motors, and alternators in conventional vehicles and electric vehicles (EVs). In line with this, the implementation of various government initiatives to accelerate decarbonization and reduce greenhouse gas (GHG) emissions are favoring the market growth. Additionally, the widespread product adoption for producing transformers, generators, and motors, and impregnating varnishes and wire enamels is acting as another growth-inducing factor. Apart from this, the introduction of water-based impregnation resins that are designed to be more environmentally friendly than conventional products is providing an impetus to the market growth. Moreover, the increasing demand for electrical and electronic components is facilitating the market growth. Resin impregnation of windings and copper wires prevents vibration, provides better insulation, increases heat exchange during regular operation, is resistant to stresses and temperature loads, and reduces the risk of short circuits in the windings. which, in turn, is augmenting the market growth. Other factors, including the widespread utilization of solvent-less impregnating resins, extensive research and development (R&D) activities, and the launch of advanced impregnating resins that makes the motor more protective and provides high mechanical stability, are anticipated to drive the market growth.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global impregnating resins market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on type, form and application.

Breakup by Type:

Phenol Formaldehyde Urea Formaldehyde Melamine Formaldehyde



Breakup by Form: Solventless Solvent-based Others Breakup by Application: Motors and Generators Home Appliances Transformer **Automotive Components** Others Breakup by Region: North America **United States** Canada Asia-Pacific China Japan India South Korea Australia Indonesia Others Europe Germany France United Kingdom

Brazil

Latin America

Italy Spain Russia Others



Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being 3M Company, Aev Asia Sdn. Bhd., Axalta Coating Systems Ltd., BASF SE, Bodo M?ller Chemie GmbH, Elantas Pdg Inc. (Altana AG), Huntsman International LLC (Huntsman Corporation), Robnor ResinLab Ltd., Showa Denko Materials Co. Ltd, Von Roll Holding AG and Wacker Chemie AG.

Key Questions Answered in This Report:

How has the global impregnating resins market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global impregnating resins market? What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the form?

What is the breakup of the market based on the application?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global impregnating resins market and who are the key players?

What is the degree of competition in the industry?



Contents

1 PREFACE

2 SCOPE AND METHODOLOGY

- 2.1 Objectives of the Study
- 2.2 Stakeholders
- 2.3 Data Sources
 - 2.3.1 Primary Sources
 - 2.3.2 Secondary Sources
- 2.4 Market Estimation
 - 2.4.1 Bottom-Up Approach
 - 2.4.2 Top-Down Approach
- 2.5 Forecasting Methodology

3 EXECUTIVE SUMMARY

4 INTRODUCTION

- 4.1 Overview
- 4.2 Key Industry Trends

5 GLOBAL IMPREGNATING RESINS MARKET

- 5.1 Market Overview
- 5.2 Market Performance
- 5.3 Impact of COVID-19
- 5.4 Market Forecast

6 MARKET BREAKUP BY TYPE

- 6.1 Phenol Formaldehyde
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Urea Formaldehyde
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 Melamine Formaldehyde



- 6.3.1 Market Trends
- 6.3.2 Market Forecast

7 MARKET BREAKUP BY FORM

- 7.1 Solventless
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
- 7.2 Solvent-based
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 7.3 Others
 - 7.3.1 Market Trends
 - 7.3.2 Market Forecast

8 MARKET BREAKUP BY APPLICATION

- 8.1 Motors and Generators
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
- 8.2 Home Appliances
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
- 8.3 Transformer
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
- 8.4 Automotive Components
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
- 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast

9 MARKET BREAKUP BY REGION

- 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast



- 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
- 9.2 Asia-Pacific
 - 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
 - 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
 - 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
 - 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
 - 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
 - 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
 - 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain



- 9.3.5.1 Market Trends
- 9.3.5.2 Market Forecast
- 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
- 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast
 - 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
 - 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast

10 SWOT ANALYSIS

- 10.1 Overview
- 10.2 Strengths
- 10.3 Weaknesses
- 10.4 Opportunities
- 10.5 Threats

11 VALUE CHAIN ANALYSIS

12 PORTERS FIVE FORCES ANALYSIS

- 12.1 Overview
- 12.2 Bargaining Power of Buyers
- 12.3 Bargaining Power of Suppliers
- 12.4 Degree of Competition



12.5 Threat of New Entrants

12.6 Threat of Substitutes

13 PRICE ANALYSIS

14 COMPETITIVE LANDSCAPE

- 14.1 Market Structure
- 14.2 Key Players
- 14.3 Profiles of Key Players
 - 14.3.1 3M Company
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 Aev Asia Sdn. Bhd.
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Axalta Coating Systems Ltd.
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 Financials
 - 14.3.3.4 SWOT Analysis
 - 14.3.4 BASF SE
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 Bodo M?ller Chemie GmbH
 - 14.3.5.1 Company Overview
 - 14.3.5.2 Product Portfolio
 - 14.3.6 Elantas Pdg Inc. (Altana AG)
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
 - 14.3.7 Huntsman International LLC (Huntsman Corporation)
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
 - 14.3.8 Robnor ResinLab Ltd.
 - 14.3.8.1 Company Overview



- 14.3.8.2 Product Portfolio
- 14.3.9 Showa Denko Materials Co. Ltd
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
- 14.3.10 Von Roll Holding AG
- 14.3.10.1 Company Overview
- 14.3.10.2 Product Portfolio
- 14.3.10.3 Financials
- 14.3.11 Wacker Chemie AG
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
- 14.3.11.4 SWOT Analysis



List Of Tables

LIST OF TABLES

Table 1: Global: Impregnating Resins Market: Key Industry Highlights, 2022 and 2028

Table 2: Global: Impregnating Resins Market Forecast: Breakup by Type (in Million

US\$), 2023-2028

Table 3: Global: Impregnating Resins Market Forecast: Breakup by Form (in Million

US\$), 2023-2028

Table 4: Global: Impregnating Resins Market Forecast: Breakup by Application (in

Million US\$), 2023-2028

Table 5: Global: Impregnating Resins Market Forecast: Breakup by Region (in Million

US\$), 2023-2028

Table 6: Global: Impregnating Resins Market: Competitive Structure

Table 7: Global: Impregnating Resins Market: Key Players



List Of Figures

LIST OF FIGURES

Figure 1: Global: Impregnating Resins Market: Major Drivers and Challenges

Figure 2: Global: Impregnating Resins Market: Sales Value (in Billion US\$), 2017-2022

Figure 3: Global: Impregnating Resins Market Forecast: Sales Value (in Billion US\$),

2023-2028

Figure 4: Global: Impregnating Resins Market: Breakup by Type (in %), 2022

Figure 5: Global: Impregnating Resins Market: Breakup by Form (in %), 2022

Figure 6: Global: Impregnating Resins Market: Breakup by Application (in %), 2022

Figure 7: Global: Impregnating Resins Market: Breakup by Region (in %), 2022

Figure 8: Global: Impregnating Resins (Phenol Formaldehyde) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 9: Global: Impregnating Resins (Phenol Formaldehyde) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 10: Global: Impregnating Resins (Urea Formaldehyde) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 11: Global: Impregnating Resins (Urea Formaldehyde) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 12: Global: Impregnating Resins (Melamine Formaldehyde) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 13: Global: Impregnating Resins (Melamine Formaldehyde) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 14: Global: Impregnating Resins (Solventless) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 15: Global: Impregnating Resins (Solventless) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 16: Global: Impregnating Resins (Solvent-based) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 17: Global: Impregnating Resins (Solvent-based) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 18: Global: Impregnating Resins (Other Forms) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 19: Global: Impregnating Resins (Other Forms) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 20: Global: Impregnating Resins (Motors and Generators) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 21: Global: Impregnating Resins (Motors and Generators) Market Forecast:



Sales Value (in Million US\$), 2023-2028

Figure 22: Global: Impregnating Resins (Home Appliances) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 23: Global: Impregnating Resins (Home Appliances) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 24: Global: Impregnating Resins (Transformer) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 25: Global: Impregnating Resins (Transformer) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 26: Global: Impregnating Resins (Automotive Components) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 27: Global: Impregnating Resins (Automotive Components) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 28: Global: Impregnating Resins (Other Applications) Market: Sales Value (in Million US\$), 2017 & 2022

Figure 29: Global: Impregnating Resins (Other Applications) Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 30: North America: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 31: North America: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 32: United States: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 33: United States: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 34: Canada: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 35: Canada: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 36: Asia-Pacific: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 37: Asia-Pacific: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 38: China: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 39: China: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 40: Japan: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022



- Figure 41: Japan: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 42: India: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 43: India: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 44: South Korea: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 45: South Korea: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 46: Australia: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 47: Australia: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 48: Indonesia: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 49: Indonesia: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 50: Others: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 51: Others: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 52: Europe: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 53: Europe: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 54: Germany: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 55: Germany: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 56: France: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 57: France: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 58: United Kingdom: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022
- Figure 59: United Kingdom: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028
- Figure 60: Italy: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022



Figure 61: Italy: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 62: Spain: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 63: Spain: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 64: Russia: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 65: Russia: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 66: Others: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 67: Others: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 68: Latin America: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 69: Latin America: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 70: Brazil: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 71: Brazil: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 72: Mexico: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 73: Mexico: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 74: Others: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 75: Others: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 76: Middle East and Africa: Impregnating Resins Market: Sales Value (in Million US\$), 2017 & 2022

Figure 77: Middle East and Africa: Impregnating Resins Market: Breakup by Country (in %), 2022

Figure 78: Middle East and Africa: Impregnating Resins Market Forecast: Sales Value (in Million US\$), 2023-2028

Figure 79: Global: Impregnating Resins Industry: SWOT Analysis

Figure 80: Global: Impregnating Resins Industry: Value Chain Analysis

Figure 81: Global: Impregnating Resins Industry: Porter's Five Forces Analysis



I would like to order

Product name: Impregnating Resins Market: Global Industry Trends, Share, Size, Growth, Opportunity

and Forecast 2023-2028

Product link: https://marketpublishers.com/r/l9718BB35F32EN.html

Price: US\$ 2,499.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer

Service:

info@marketpublishers.com

Payment

First name:

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/19718BB35F32EN.html

To pay by Wire Transfer, please, fill in your contact details in the form below:

Last name:	
Email:	
Company:	
Address:	
City:	
Zip code:	
Country:	
Tel:	
Fax:	
Your message:	
	**All fields are required
	Custumer signature

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at https://marketpublishers.com/docs/terms.html

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

