

**Bio-Based Epoxy Resin Market Research Report by Raw Material (Plant-Based Epoxy Resins, Lignin-Based Epoxy Resins, Cellulose Based Epoxy Resins, Others), by Resin Type (Bio-based Bisphenol A Epoxy Resins, Bio-Based Bisphenol F Epoxy Resins, Aliphatic Bio-Epoxy Resins, Others), by End Use Industry (Automotive, Electronics, Construction, Consumer Goods, Others), and by Region (North America, Europe, Asia-Pacific, South America, Middle East & Africa) Forecast till 2035**

Market Report | 2025-12-05 | 201 pages | Market Research Future

**AVAILABLE LICENSES:**

- Single User Price \$4950.00
- Enterprisewide Price \$7250.00

**Report description:**

By 2035, the global Bio-Based Epoxy Resin Market is expected to attain a value of USD 1,996.01 million, expanding at a 7.2% CAGR from 2025 to 2035. The global bio-based epoxy resin market is getting a boost from sustainability regulations as well as the growing demand for low-carbon materials.

**Regulatory Compliance as a Material Selection Criterion**

As regulatory compliance is baked into the procurement decision process, many industries are switching to bio-based epoxy resins. Because of its emissions reduction feature and the ability to extend lifecycle sustainability, it can be considered a substitute for fossil-based epoxies.

**Market Segmentation Overview**

- Plant-Based Epoxy Resins: Widely used for sustainable industrial coatings
- Lignin-Based Epoxy Resins: Cost-effective option with high bio-content
- Cellulose-Based Epoxy Resins: Lightweight resins with enhanced mechanical strength
- Others: Emerging bio-feedstocks under active development
- Bio-based Bisphenol A Epoxy Resins: Performance-focused drop-in replacements

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- Bio-Based Bisphenol F Epoxy Resins: Higher chemical and thermal resistance
- Aliphatic Bio-Epoxy Resins: Improved UV stability and flexibility
- Others: Specialty formulations for niche applications
- Automotive: Lightweight materials supporting vehicle sustainability goals
- Electronics: Insulation materials with reliable thermal stability
- Construction: Durable, eco-friendly structural and coating materials
- Consumer Goods: Sustainable resins for everyday products
- Others: Aerospace, marine, and industrial equipment applications

#### Regional Perspectives

North America and Europe dominate the bio-based epoxy resin market because of strong regulations and R&D. Asia Pacific is the fastest-growing region, while South America and MEA are seen as emerging markets.

#### Performance Parity

Bio-based epoxy resins essentially don't have a drop in performance when compared to the conventional ones such as, strength, durability, and resistance while at the same time we get their raw materials from renewable feedstocks.

#### Key Report Attributes

- Market Size 2024: USD 938.96 Million
- Market Size 2035: USD 1,996.01 Million
- CAGR (2025-2035): 7.2%
- Base Year: 2024
- Market Forecast Period: 2025-2035

#### Industry Segmentations Growth

- By Raw Material: Plant-Based Epoxy Resins - 7.6%, Lignin-Based Epoxy Resins - 7.1%.
- By Resin Type: Bio-based Bisphenol A Epoxy Resins - 7.4%, Bio-Based Bisphenol F Epoxy Resins - 6.5%.
- By End Use Industry: Automotive - 7.3%, Electronics - 6.6%.

#### **Table of Contents:**

##### TABLE OF CONTENTS

##### SECTION I: KEY HIGHLIGHTS, SCOPING AND METHODOLOGY

##### 1. EXECUTIVE SUMMARY AND KEY HIGHLIGHTS

##### I. TOP PERFORMING SEGMENTS

##### II. KEY TRENDS SUMMARIZED

##### III. STRATEGIC INSIGHTS

##### SECTION II: QUALITATIVE ANALYSIS

##### 2. MARKET INTRODUCTION AND DYNAMICS

##### I. DEFINITIONS

##### I. MARKET DRIVERS

##### II. RISING ENVIRONMENTAL REGULATIONS AND SUSTAINABILITY MANDATES

##### III. GROWING DEMAND FOR SUSTAINABLE HIGH-PERFORMANCE MATERIALS

##### II. MARKET OPPORTUNITIES

##### I. EXPANSION IN GREEN CONSTRUCTION AND INFRASTRUCTURE PROJECTS

##### II. TECHNOLOGICAL INNOVATION AND BIO-FEEDSTOCK DIVERSIFICATION

##### III. MARKET RESTRAINTS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- I. HIGHER PRODUCTION AND MATERIAL COSTS
- II. FEEDSTOCK AVAILABILITY AND SUPPLY CHAIN VARIABILITY
- IV. MARKET CHALLENGES
- I. ACHIEVING CONSISTENT PERFORMANCE AND QUALITY PARITY WITH CONVENTIONAL EPOXY RESINS
- II. SCALING UP PRODUCTION WHILE MAINTAINING COST EFFICIENCY AND SUPPLY RELIABILITY
- V. RUSSIA-UKRAINE WAR IMPACT ANALYSIS
- VI. IMPACT OF TRUMP 2.0
- 3. MARKET FACTOR ANALYSIS
- I. SUPPLY/VALUE CHAIN ANALYSIS
- I. PARTICIPANTS
- A. RAW MATERIAL ANALYSIS
- 3.I.I.A.1. FEEDSTOCK SELECTION & PROCUREMENT
- 3.I.I.A.2. QUALITY STANDARDS
- 3.I.I.A.3. LIST OF RAW MATERIAL SUPPLIERS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS)
- B. MANUFACTURERS
- 3.I.I.B.1. PRODUCTION PROCESS
- 3.I.I.B.2. LIST OF MANUFACTURERS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS)
- C. DISTRIBUTORS
- 3.I.I.C.1. LOGISTICS
- 3.I.I.C.2. SALES AND MARKETING STRATEGIES
- D. END-USERS
- 3.I.I.D.1. CUSTOMER NEEDS, PREFERENCES, PAIN POINTS & END-USE INDUSTRIES
- 3.I.I.D.2. LIST OF POTENTIAL CUSTOMERS (COMPANY NAME, HEADQUARTERS, CONTACT DETAILS, APPLICATION)
- II. VALUE PERCOLATION ACROSS THE CHAIN
- III. INTEGRATION LEVELS
- IV. KEY ISSUES ADDRESSED
- II. PORTER'S FIVE FORCES MODEL
- I. BARGAINING POWER OF SUPPLIERS
- II. BARGAINING POWER OF BUYERS
- III. THREAT OF NEW ENTRANTS
- IV. THREAT OF SUBSTITUTES
- V. INTENSITY OF RIVALRY
- III. TECHNOLOGICAL ADVANCEMENTS
- I. NANO-REINFORCED BIO-EPOXY SYSTEMS
- II. LOW-VOC AND SOLVENT-FREE BIO-EPOXY TECHNOLOGIES
- III. RECYCLABLE AND CIRCULAR BIO-EPOXY NETWORKS
- IV. PRICING ANALYSIS, BY REGION, 2019-2035
- I. FACTORS IMPACTING PRODUCT PRICING
- V. ADJACENT MARKET ANALYSIS
- VI. SUPPLY DEMAND ANALYSIS
- VII. REGULATORY FRAMEWORK
- I. GOVERNMENT POLICIES
- II. ENVIRONMENTAL CONSIDERATION
- VIII. R & D UPDATE
- I. CURRENT SCENARIO
- II. FUTURE ROADMAP
- III. CHALLENGES

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

IV. NOVEL APPLICATIONS

V. KEY DEVELOPMENTS

IX. PESTLE ANALYSIS

SECTION III: MARKET SEGMENTATION

4. GLOBAL BIO-BASED EPOXY RESINS MARKET, BY RAW MATERIAL (USD BILLION & KILOTONS), 2019-2035

I. PLANT-BASED EPOXY RESINS

II. LIGNIN-BASED EPOXY RESINS

III. CELLULOSE BASED EPOXY RESINS

IV. OTHERS

5. GLOBAL BIO-BASED EPOXY RESINS MARKET, BY RESIN TYPE (USD BILLION & KILOTONS), 2019-2035

I. BIO-BASED BISPHENOL A EPOXY RESINS

II. BIO-BASED BISPHENOL F EPOXY RESINS

III. ALIPHATIC BIO-EPOXY RESINS

IV. OTHERS

6. GLOBAL BIO-BASED EPOXY RESINS MARKET, BY END USE INDUSTRY (USD BILLION & KILOTONS), 2019-2035

I. AUTOMOTIVE

II. ELECTRONICS

III. CONSTRUCTION

IV. CONSUMER GOODS

V. OTHERS

7. GLOBAL BIO-BASED EPOXY RESINS MARKET, BY REGION (USD BILLION & KILOTONS), 2019-2035

I. NORTH AMERICA

I. US

II. CANADA

III. MEXICO

II. EUROPE

I. GERMANY

II. UK

III. FRANCE

IV. RUSSIA

V. ITALY

VI. SPAIN

VII. REST OF EUROPE

III. APAC

I. CHINA

II. INDIA

III. JAPAN

IV. SOUTH KOREA

V. MALAYSIA

VI. THAILAND

VII. INDONESIA

VIII. REST OF APAC

IV. SOUTH AMERICA

I. BRAZIL

II. ARGENTINA

III. REST OF SOUTH AMERICA

V. MEA

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- I. GCC COUNTRIES
- II. SOUTH AFRICA
- III. REST OF MEA
- 8. COMPETITIVE LANDSCAPE
  - I. INTRODUCTION
  - II. COMPANY MARKET SHARE ANALYSIS, 2024 (%)
  - III. COMPETITIVE BENCHMARKING
  - IV. COMPARATIVE ANALYSIS: KEY PLAYERS FINANCIAL
  - V. KEY DEVELOPMENTS, GROWTH PLANS AND STRATEGIES
- I. NEW PRODUCT LAUNCH/SERVICE DEPLOYMENT
- II. MERGER & ACQUISITION
- 9. COMPANY PROFILES
  - I. POLYTEK DEVELOPMENT CORP.
    - I. OVERVIEW
    - II. FINANCIAL PERFORMANCE
    - III. PRODUCT PORTFOLIO
    - IV. STRATEGIC INITIATIVES
    - V. SWOT ANALYSIS
  - II. ENTROPY RESIN
    - III. SICOMIN
    - IV. KUKDO CHEMICAL
    - V. ECOPOXY
    - VI. CHANGE CLIMATE
  - VII. CARDOLITE CORPORATION
  - VIII. NAGASE
  - IX. HUNTSMAN CORPORATION
  - X. ADITYA BIRLA
- 10. CASE STUDIES AND CREDENTIALS
- 11. RESEARCH METHODOLOGY AND APPROACH
  - I. RESEARCH PROCESS
    - I. PRIMARY RESEARCH
    - II. SECONDARY RESEARCH
  - II. MARKET SIZE ESTIMATION
  - III. FORECAST TECHNIQUES
  - IV. LIST OF ASSUMPTIONS

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

**Bio-Based Epoxy Resin Market Research Report by Raw Material (Plant-Based Epoxy Resins, Lignin-Based Epoxy Resins, Cellulose Based Epoxy Resins, Others), by Resin Type (Bio-based Bisphenol A Epoxy Resins, Bio-Based Bisphenol F Epoxy Resins, Aliphatic Bio-Epoxy Resins, Others), by End Use Industry (Automotive, Electronics, Construction, Consumer Goods, Others), and by Region (North America, Europe, Asia-Pacific, South America, Middle East & Africa) Forecast till 2035**

Market Report | 2025-12-05 | 201 pages | Market Research Future

To place an Order with Scotts International:

- Print this form
- Complete the relevant blank fields and sign
- Send as a scanned email to support@scotts-international.com

**ORDER FORM:**

Select license	License	Price
	Single User Price	\$4950.00
	Enterprisewide Price	\$7250.00
		VAT
		Total

\*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

\*\* VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>

**Scotts International. EU Vat number: PL 6772247784**

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2026-03-02"/>
		Signature	<input type="text"/>