

Epoxy Resin - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2026 - 2031)

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Report description:

Epoxy Resin Market Analysis

Epoxy Resin Market size in 2026 is estimated at 4.91 Million tons, growing from 2025 value of 4.64 Million tons with 2031 projections showing 6.54 Million tons, growing at 5.88% CAGR over 2026-2031. Sustained demand is rooted in the material's unmatched mechanical, chemical, and thermal performance that underpins critical uses ranging from wind-turbine blades to semiconductor packaging. Innovation is accelerating as stricter regulations on bisphenol A (BPA) and volatile organic compounds (VOCs) advance waterborne, bio-circular, and low-VOC chemistries. Expanding renewable-energy infrastructure, electrification trends, and infrastructure spending in emerging economies add positive volume momentum, while escalating trade duties and raw-material price swings present near-term uncertainties for procurement teams. The epoxy resins market remains moderately concentrated, yet breakthrough work on recyclable and plant-derived formulations is widening the opportunity set for both incumbents and specialist newcomers.

Global Epoxy Resin Market Trends and Insights

Increasing Demand from Paints and Coatings

Paints and coatings continued to dominate the epoxy resins market with a 60.15% revenue share in 2024. Growth is reinforced by infrastructure programs in Southeast Asia and Africa and by marine and packaging niches that depend on high-barrier, corrosion-resistant finishes. Westlake's 2025 launch of EpoVIVE bio-circular resins illustrates how suppliers are balancing

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sustainability with performance. The shift to low-VOC formulations is aided by quantum-dot-catalyzed photochemistry that improves sunlight stability without costly UV blockers. Marine-grade systems such as Amerlock 400 lengthen dry-dock cycles, lowering total lifecycle cost for fleet operators. The resulting 6.51% CAGR to 2030 positions coatings as both volume and innovation anchors for the broader epoxy resins market.

Wind-Turbine Blade Composites Uptake

Growing offshore wind installations, larger rotor diameters, and hybrid carbon-glass designs are raising epoxy performance thresholds. The Global Wind Energy Council forecasts 8.8% annual growth in new capacity, which underpins long-run resin demand. TPI Composites' customer base supplied 88% of 2025 US onshore blades, underscoring how process know-how consolidates purchasing. Siemens Gamesa has already commercialized recyclable epoxy blades that de-bond under mild acidic conditions, easing end-of-life challenges. Machine-learning optimization of blade cure schedules further cuts waste and energy use, reinforcing epoxy's position as the matrix of choice in the wind energy value chain.

Raw-Material Price Volatility

China expanded BPA capacity by 12.31% in H1 2024 to 5.48 million t pa, yet utilization dipped and regional prices fell 4.6% quarter-on-quarter. Disruptions such as the Guodu Chemical plant explosion temporarily doubled BPA prices, exposing downstream formulators to margin risk. Force-majeure declarations following extreme weather events added further supply uncertainty. Several epoxy majors are therefore building captive epichlorohydrin and BPA units to secure feedstock and hedge volatility.

Other drivers and restraints analyzed in the detailed report include:

Increasing Demand from Electrical and Electronics
Growing Infrastructure-Led Adhesive Demand
Stricter VOC and BPA Regulations

For complete list of drivers and restraints, kindly check the Table Of Contents.

Segment Analysis

DGBEA resins retained 36.35% epoxy resin market share in 2025 as the workhorse grade for wind-energy blades and automotive composites. At a 6.32% CAGR they remain integral to market expansion, yet customer audits are pushing producers to demonstrate traceable, lower-carbon BPA supply. In response, Western and Japanese suppliers are piloting mass-balance accounting and bio-circulating feedstocks to preserve DGBEA's position in the epoxy resins market.

Specialty resins fill clear performance gaps. DGBEF offers lower viscosity for marine maintenance coatings, while novolac chemistries withstand thermal shock inside furnace linings. Aliphatic epoxies deliver UV stability essential for architectural facades. Glycidylamine versions provide superior metal adhesion in electronics housings. Bio-based and cycloaliphatic chemistries, grouped under other raw materials, are projected to be the fastest movers and could capture a measurable slice of the epoxy resins market by 2031 as closed-loop recycling and carbon accounting gain shareholder focus.

The Epoxy Resin Market Report is Segmented by Raw Material (DGBEA (Bisphenol A and ECH), DGBEF (Bisphenol F and ECH), Novolac (Formaldehyde and Phenols), Aliphatic (Aliphatic Alcohols), Glycidylamine (Aromatic Amines and ECH), and More), Application (Paints and Coatings, Adhesives and Sealants, Composites, Electrical and Electronics, and More), and Geography (Asia-Pacific, North America, Europe, and More).

Geography Analysis

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Asia-Pacific remained the epicenter of the epoxy resin market, securing 47.55% of 2025 demand and pointing to a 6.08% CAGR through 2031. China's resin exports face US anti-dumping duties as high as 354.99%, prompting ventures like DCM Shriram's USD 125 million Indian greenfield unit to serve a more regionally diversified customer base. Thailand and Vietnam capture fresh PCB and wind-blade capacity, while Japan and South Korea push ultra-high-Tg and recyclable chemistries for semiconductors and offshore wind applications.

North America leverages reshoring, infrastructure investment, and renewable-energy tax credits to buffer volatility in imported resin flows. Countervailing duties ranging from 1.01% to 547.76% spur domestic producers to reactivate idled reactors and invest in new feedstock assets. Canadian wind-farm developers specify Arctic-grade epoxy systems, and Mexico's automotive clusters accelerate demand for structural adhesives. NREL's plant-derived epoxy research underscores the region's sustainability leadership.

Europe balances stringent BPA rules with cutting-edge R&D. German automotive suppliers co-engineer thermally conductive EMCs with local resin formulators. The United Kingdom's offshore wind boom sustains 25-year service life requirements for epoxy-primed monopiles, and France's nuclear sector pushes radiation-resistant grades. Scott Bader's GBP 30 million UK capacity addition highlights commitments to local supply amid global logistics flux. The Nordic region, already well advanced in circular-economy policy, pilots closed-loop epoxy recycling trials under EU-funded programs.

List of Companies Covered in this Report:

Atul Ltd Bodo Moller Chemie GmbH Cardolite Corporation Chang Chun Group DIC Corporation Dow Grasim Industries Limited Hexion Inc. Huntsman International LLC Jiangsu Sanmu Group Co., Ltd. Kolon Industries Kukdo Chemical Co., Ltd Mitsui Chemicals, Inc. Nama Nan Ya Plastics Corporation Olin Corporation Robnor ResinLab Ltd, Sika AG Sinochem Holdings Corporation Ltd. Association for Chemical and Metallurgical Production (SPOLCHEMIE) Westlake Corporation

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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