

Biodegradable Paper Packaging Materials Market to Hit \$215.9 Billion by 2034 on Eco-Friendly Product Demand

Sectors like food, retail, and healthcare are switching to biodegradable paper for flexible and rigid packaging solutions.

HYDERABAD, TELENGANA, INDIA, July 21, 2025 /EINPresswire.com/ -- July 21, 2025 — The global [biodegradable paper packaging materials market](#) is projected to grow from USD 122.5 billion in 2025 to USD 215.9 billion by 2034, advancing at a CAGR of 6.5%, according to USDAnalytics. The rise of sustainable paper packaging across food & beverage, e-commerce, healthcare, and personal care sectors is fueled by increasing regulatory pressure, corporate ESG initiatives, and consumer demand for eco-friendly, plastic-free alternatives.

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Biodegradable paper packaging is the new benchmark for brands that value sustainability and consumer trust."

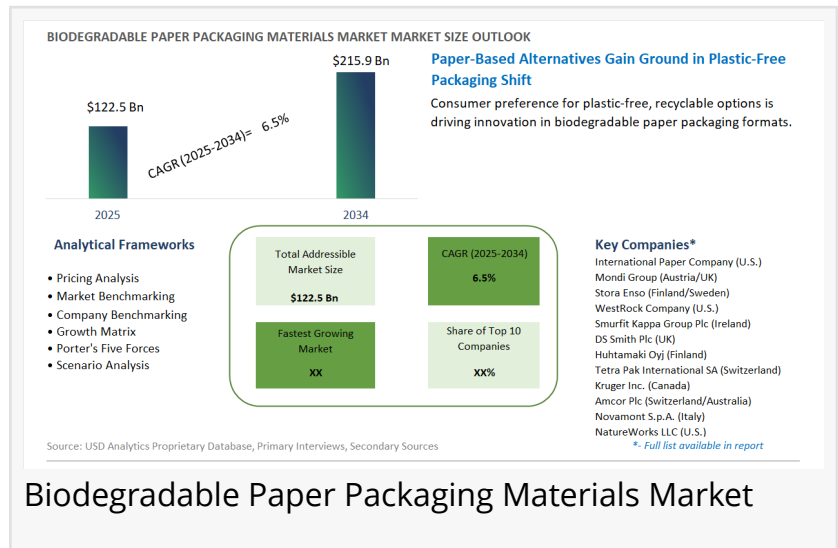
Harry, USDAnalytics

Sustainable Paper Packaging Takes Center Stage in Circular Economy Transition

As brands race to eliminate plastic from their supply chains, biodegradable paper packaging has emerged as a primary solution for reducing carbon footprints while ensuring functionality. The market includes a range of materials—from virgin fiber-based paperboard and recycled paperboard to agricultural residue-based papers

like bagasse and bio-coated flexible papers—delivering sustainable packaging across flexible and rigid formats.

Major innovations are reshaping the space: bio-based barrier coatings are replacing PFAS in food packaging; nano-fibrillated cellulose (NFC) is enabling transparent, oxygen-barrier papers for perishable goods; and 3D-moldable papers like FibreForm® are elevating aesthetics and functionality in luxury and personal care packaging. Digital watermarking is further enhancing



recycling efficiency, enabling better material recovery across waste streams.

Global Leadership: Europe Innovates, China Scales, U.S. and Japan Expand Adoption

- Europe (led by Sweden, Finland, Germany): Drives material science breakthroughs and regulatory alignment with circular economy policies.
- China: Dominates in production scale, supplying biodegradable paper formats across global packaging markets.
- United States & Japan: Accelerating innovation in coated paper technologies, food-grade papers, and bio-barrier applications.
- Brazil & India: Emerging as key contributors, leveraging sustainable pulp sources and policy mandates to expand biodegradable paper adoption.

Together, these regions anchor the global shift toward compostable, recyclable, and circular paper-based packaging systems.

Geographically, the detailed analysis of market share, and growth rate of the following regions:

- North America (US, Canada, Mexico)
- Europe (Germany, UK, France, Spain, Italy, Russia, Rest of Europe)
- Asia Pacific (China, India, Japan, South Korea, Australia, South East Asia, Rest of Asia)
- South America (Brazil, Argentina, Rest of South America)
- Middle East and Africa (Saudi Arabia, UAE, Rest of Middle East, South Africa, Egypt, Rest of Africa)

Competitive Landscape: Global Paper Majors and Eco-Innovators Shape the Future

Industry giants like International Paper, Mondi Group, Stora Enso, WestRock, and Smurfit Kappa are expanding their biodegradable paper offerings through high-performance paperboard, molded fiber, and flexible coated formats. Companies such as DS Smith, Tetra Pak, Huhtamaki Oyj, and Amcor Plc are scaling solutions across retail, personal care, and foodservice segments. Eco-innovators including Notpla, Pakka Ltd., Chuk, Be Green Packaging, BioPak, and Ecoware are pushing the envelope with edible coatings, agri-residue packaging, and home-compostable alternatives. Meanwhile, material tech firms like Solenis, Kemin Industries, and Sulapac are enhancing the recyclability, moisture resistance, and biodegradability of coated and specialty papers.

Key Companies in the Biodegradable Paper Packaging Materials Market:

- International Paper Company (U.S.)
- Mondi Group (Austria/UK)
- Stora Enso (Finland/Sweden)
- WestRock Company (U.S.)
- Smurfit Kappa Group Plc (Ireland)
- DS Smith Plc (UK)
- Huhtamaki Oyj (Finland)
- Tetra Pak International SA (Switzerland)
- Kruger Inc. (Canada)
- Amcor Plc (Switzerland/Australia)

- Novamont S.p.A. (Italy)
- NatureWorks LLC (U.S.)
- Notpla (UK)
- Solenis LLC (U.S.)
- Kemin Industries Inc. (U.S.)
- Be Green Packaging LLC (U.S.)
- Ecoware (India)
- Pakka Ltd. (India/Switzerland)
- Chuk (Yash Pakka Ltd.) (India)
- BioPak (Duni Group/Huhtamaki Oyj) (Sweden/Finland)
- Sulapac (Finland)
- Reynolds Group Holdings Limited (U.S.)
- Oji Holdings Corporation (Japan)
- BillerudKorsnäs AB (now Billerud) (Sweden)
- Others

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Market Segmentation Highlights:

- By Material Type: Virgin Fiber-based Paper & Paperboard, Recycled Fiber-based Paper & Paperboard, Agricultural Residue-based Paper, Coated Paper
- By Packaging Type: Flexible Paper Packaging, Rigid Paper Packaging
- By End-Use Industry: Food & Beverages, E-commerce & Retail, Personal Care & Cosmetics, Homecare, Healthcare & Pharmaceuticals, Others

Food & beverage, e-commerce, personal care, and healthcare sectors are driving rapid adoption, using biodegradable paper packaging to meet sustainability targets and align with evolving consumer values.

Access the Complete report with in-depth data and forecasts: [Biodegradable Paper Packaging Materials Market, 205-2034](#)

Thank you for reading this article. You can also get individual chapter-wise sections or region-specific report versions, such as North America, Europe, LATAM, or Southeast Asia, as well as country-level customizations.

USDAnalytics

This report is developed with insights from USDAnalytics, a leading platform for tracking biodegradable packaging innovation, material trends, policy shifts, and sustainability performance. Through advanced dashboards, market forecasting, and regulatory alerts, USDAnalytics helps stakeholders anticipate and align with the evolving global packaging ecosystem. Explore more at www.usdanalytics.com.

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