

Biaxially Oriented Polyethylene Terephthalate Film Market Assessment, By Film Type [Thin Film, Thick Film], By Film Thickness [Below 20 Micron, 20 Micron-50 Micron, 50 Micron-75 Micron, Above 75 Micron], By End-user Industry [Packaging, Industrial, Electrical and Electronics, Imaging, Others], By Region, Opportunities and Forecast, 2018-2032F

Market Report | 2025-04-22 | 221 pages | Market Xcel - Markets and Data

AVAILABLE LICENSES:

- Single User License \$4500.00
- Multi-User/Corporate Licence \$5700.00
- Custom Research License \$8200.00

Report description:

Global biaxially oriented polyethylene terephthalate (BOPET) film market is projected to witness a CAGR of 8.93% during the forecast period 2025-2032, growing from USD 19.10 billion in 2024 to USD 37.87 billion in 2032. The market has experienced a growing trend as BOPET films have a broad range of applications in packaging, electronics, and other industrial sectors. BOPET films are accepted worldwide for their excellent mechanical strength, optical clarity, thermal stability, and resistance to moisture and chemicals. BOPET films have gained popularity because they meet the durability and requirements of various industries. The global BOPET film market is showing a considerable growth rate, mainly driven by the increasing demand in the packaging and electronics sectors, as well as the need for sustainable materials. BOPET films possess excellent mechanical properties, including tensile strength, chemical resistance, and recyclability. Further, the demand from the Asia-Pacific has remained strong, driven by high demand from countries such as China and India, where the production in the packaging and electronics industries is booming. Furthermore, in Europe, key players focus on food safety and environmental sustainability, seeking high-performance, recyclable BOPET films in countries like Germany, France, and the United Kingdom.

To meet the ongoing demand for BOPET films, companies are expanding new production units, which will help in managing the demand-supply balance at the country level. For example, In January 2025, Polyplex Corporation Limited decided to expand its production capacity in India with an investment of around USD 63.6 million. The plant will have an annual capacity of 52,400 metric tonnes per annum (MTPA) and the plant operation is expected to start in 2027.

Increased Focus on Eco-Friendly Packaging and Recycling is Boosting the Demand for BOPET Films

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

The global drive toward sustainability has amplified the need for green packaging and recycling, creating significant demand for BOPET films made from recycled or biodegradable materials. As industries face increasing regulatory pressure to minimize their environmental footprint, the packaging industry has rapidly adopted sustainable solutions. BOPET films, known for their toughness, recyclability, and superior barrier properties, have emerged as an excellent substitute for traditional plastics. Consequently, many companies have begun using BOPET films manufactured from post-consumer recycled materials to meet regulatory requirements and growing consumer demand for environmentally friendly products.

Additionally, with the rising constraint of governance related to the ban on single-use plastics, they are embracing biodegradable and recyclable materials, and amongst those BOPET films are the front-runner. Further growth in the BOPET film market is estimated to be inspired by this shift toward sustainable packaging solutions. In a spirit of sustainability, the green business materializes its applications with BOPET film.

According to Global Plastics Outlook OECD 2022, the world produces twice as much plastic waste as two decades ago, and most of it goes to landfills, incinerating, or leaking into the environment. Only 9% of plastic waste is successfully recycled, as almost half of all plastic waste is generated in OECD countries. On average, annually per capita, plastic waste generated varies from 221 kg in the United States and 114 kg in OECD European countries to 69 kg for Japan and South Korea.

Rising Need for Advanced Materials in Electronics and Electrical Insulation Drives BOPET Market Growth

BOPET films are highly valued for their high performance in electronics. The increasing demand for advanced materials in the electronics and electrical insulation sectors is a primary driver for the growth of BOPET films worldwide. Key factors such as excellent electrical insulation, high heat resistance, and mechanical strength mean BOPET films are increasingly used in various electronic components and devices. As the global electronics industry expands with smart devices, wearables, and electric vehicles, so does the need for materials that guarantee efficiency, durability, and reliability. BOPET films are ideal insulating materials in circuit boards, flexible electronics, and display technologies. They offer important benefits for electrical insulation in applications such as battery insulation in electric vehicles and other energy-efficient systems. The growth of the electronics sector is expected to further propel the demand for BOPET films.

In February 2023, UFlex launched several innovative products across its business verticals, including packaging films, chemicals, holography, flexible packaging, printing cylinders, and engineering. Key highlights include 'F-TFE,' a thermoformable BOPET film designed for deep-draw thermoforming applications, boasting high tensile strength and dimensional stability, making it an upgrade to their F-TFP grade. They also launched 'F-POX,' a transparent BOPET film offering superior oxygen and moisture barrier properties, surpassing PVDC and EVOH PET films in performance while maintaining optical clarity. F-POX is thermally stable, easy to process, and ideal for see-through packaging that requires high aroma retention for dry and chilled foods.

Packaging Industry is the Largest End-user Market for BOPET Films

The packaging industry is a major driver of the BOPET films market, fueled by the increasing global demand for flexible, durable, and sustainable packaging solutions. These films are widely used in the food and beverage sector due to their excellent barrier properties against moisture, gas, and contaminants, which help preserve product quality and extend shelf life. Manufacturers are readily adopting this type of packaging to minimize food spoilage and ensure optimal package performance.

Furthermore, BOPET films also find applications in pharmaceutical packaging, wherein they prevent moisture and contamination of medicines. The expansion of the pharmaceutical sector across emerging markets is yet another growth factor for the demand for BOPET films in coming years. Moreover, the rising trend of e-commerce also played a prominent role in the growth of the BOPET packaging market. Online retailing needs tough, tamper-evident packaging material that can withstand all this fuss of shipping. BOPET films are known for their high strength and damage resistance and will pick up further as e-commerce continues to do well across borders.

According to Ester Industries' annual report 2023-24, the global market consumed 4.7 million tons of thin films in 2022, with flexible packaging dominating as the end-use, accounting for over 75% of the total volume. Over the last six years, the global market for packaging thin films has registered a CAGR of 5.4%, notwithstanding softening demand in mature markets, hurt by slow economic growth.

Asia-Pacific Dominated the Global BOPET Film Market

Asia-Pacific is the largest market for BOPET films globally, holding nearly half of the total market demand. The key reasons for the dominance are robust manufacturing base within the region, increasing consumer demand for packaged goods, and an expanding

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

electronics industry. Asia-Pacific region has developed the manufacturing base for BOPET films highly within China and India, with China being the largest user and producer worldwide.

The packaging and electronics industries in China and India are growing rapidly, driven by rising consumer spending and industrial expansion. State-level efforts in China to boost indigenous manufacturing and reduce dependence on imports have thus made large investments in BOPET films production in China. The growth of packaging and electronics industries in India has also been substantial, driven by government policies aimed at boosting local manufacturing. Some of the biggest BOPET film manufacturers are in the Asia-Pacific, where they have grown significant production facilities to suit local and global markets. With the rising demand for BOPET films in the region and companies focusing on expanding their footprint and product base in Asia-Pacific, the demand for BOPET films is expected to grow at a steady rate in the region.

Future Market Scenario (2025 - 2032F)

□□The increasing demand for sustainable packaging is expected to drive growth in the global BOPET market. As companies look to the future and intensify their efforts to reduce their environmental footprint, the demand for sustainable, recyclable, and biodegradable BOPET films is projected to increase

□□The demand for smart devices, coupled with advancements in flexible electronics, suggests that the electronics sector will remain a key growth driver for BOPET films. Furthermore, BOPET films' electrical insulation and heat resistance properties make them well-suited for use in new-generation electronic products.

□□The film manufacturing technology is expected to advance through improved coating techniques and specialized films. These advancements should enhance the performance of BOPET films and expand their applications in industrial fields.

□□The rapid expansion of e-commerce, especially in emerging markets, drives demand for robust and tamper-evident packaging. BOPET films, known for their strength and protective properties, are well-suited to meet the increasing demands of the e-commerce sector.

Key Players Landscape and Outlook

The global biaxially oriented polyethylene terephthalate (BOPET) film market features a diverse range of key players employing various strategies to capitalize on growing demand from end-use sectors such as packaging, electrical and electronics, industrial applications, and imaging. This sector includes multinational corporations, regional leaders, and innovative startups, each contributing uniquely to the market. Key players prioritize technological advancements and scaling production capacities to maintain a competitive edge.

Similarly, in January 2023, Ester Industries said that its new polyester BOPET film plant in Telangana is commissioned. The site has a land area of 50 acres. The manufacturing unit has a capacity of 48,000 MTPA. This one is positioned at an approximate cost of around USD 75 million, with margin money for working capital as well as GST accumulation.

Table of Contents:

1. □ Project Scope and Definitions
2. □ Research Methodology
3. □ Executive Summary
4. □ Voice of Customer
 - 4.1. □ Respondent Demographic
 - 4.2. □ Factors Consider in Purchase Decision
 - 4.2.1. □ Lead Time
 - 4.2.2. □ Price
 - 4.2.3. □ BOPET Film thickness
 - 4.2.4. □ Application Requirement
5. □ Global Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F
 - 5.1. □ Market Size Analysis & Forecast
 - 5.1.1. □ By Value
 - 5.1.2. □ By Volume
 - 5.2. □ Market Share Analysis & Forecast

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5.2.1.□By Film Type
 - 5.2.1.1.□Thin Film
 - 5.2.1.2.□Thick Film
- 5.2.2.□By Film Thickness
 - 5.2.2.1.□Below 20 Micron
 - 5.2.2.2.□20 Micron-50 Micron
 - 5.2.2.3.□50 Micron-75 Micron
 - 5.2.2.4.□Above 75 Micron
- 5.2.3.□By End-user Industry
 - 5.2.3.1.□Packaging
 - 5.2.3.2.□Industrial
 - 5.2.3.3.□Electrical and Electronics
 - 5.2.3.4.□Imaging
 - 5.2.3.5.□Others
- 5.2.4.□By Region
 - 5.2.4.1.□North America
 - 5.2.4.2.□Europe
 - 5.2.4.3.□Asia-Pacific
 - 5.2.4.4.□South America
 - 5.2.4.5.□Middle East and Africa
- 5.2.5.□By Company Market Share Analysis (Top 5 Companies and Others - By Value, 2024)
- 5.3.□Market Map Analysis, 2024
 - 5.3.1.□By Film Type
 - 5.3.2.□By Film Thickness
 - 5.3.3.□By End-user Industry
 - 5.3.4.□By Region
- 6.□North America Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F*
 - 6.1.□Market Size Analysis & Forecast
 - 6.1.1.□By Value
 - 6.1.2.□By Volume
 - 6.2.□Market Share Analysis & Forecast
 - 6.2.1.□By Film Type
 - 6.2.1.1.□Thin Film
 - 6.2.1.2.□Thick Film
 - 6.2.2.□By Film Thickness
 - 6.2.2.1.□Below 20 Micron
 - 6.2.2.2.□20 Micron-50 Micron
 - 6.2.2.3.□50 Micron-75 Micron
 - 6.2.2.4.□Above 75 Micron
 - 6.2.3.□By End-user Industry
 - 6.2.3.1.□Packaging
 - 6.2.3.2.□Industrial
 - 6.2.3.3.□Electrical and Electronics
 - 6.2.3.4.□Imaging
 - 6.2.3.5.□Others
 - 6.2.4.□By Country Share
 - 6.2.4.1.□United States

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 6.2.4.2. □Canada
 - 6.2.4.3. □Mexico
 - 6.3. □Country Market Assessment
 - 6.3.1. □United States Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F*
 - 6.3.1.1. □Market Size Analysis & Forecast
 - 6.3.1.1.1. □By Value
 - 6.3.1.1.2. □By Volume
 - 6.3.1.2. □Market Share Analysis & Forecast
 - 6.3.2. □By Film Type
 - 6.3.2.1. □Thin Film
 - 6.3.2.2. □Thick Film
 - 6.3.3. □By Film Thickness
 - 6.3.3.1. □Below 20 Micron
 - 6.3.3.2. □20 Micron-50 Micron
 - 6.3.3.3. □50 Micron-75 Micron
 - 6.3.3.4. □Above 75 Micron
 - 6.3.4. □By End-user Industry
 - 6.3.4.1. □Packaging
 - 6.3.4.2. □Industrial
 - 6.3.4.3. □Electrical and Electronics
 - 6.3.4.4. □Imaging
 - 6.3.4.5. □Others
 - 6.3.5. □Canada
 - 6.3.6. □Mexico
- *All segments will be provided for all regions and countries covered
- 7. □Europe Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F
 - 7.1. □Germany
 - 7.2. □France
 - 7.3. □Italy
 - 7.4. □United Kingdom
 - 7.5. □Russia
 - 7.6. □Netherlands
 - 7.7. □Spain
 - 7.8. □Turkey
 - 7.9. □Poland
 - 8. □Asia-Pacific Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F
 - 8.1. □India
 - 8.2. □China
 - 8.3. □Japan
 - 8.4. □Australia
 - 8.5. □Vietnam
 - 8.6. □South Korea
 - 8.7. □Indonesia
 - 8.8. □Philippines
 - 9. □South America Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F
 - 9.1. □Brazil
 - 9.2. □Argentina

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

10. Middle East and Africa Biaxially Oriented Polyethylene Terephthalate Film Market Outlook, 2018-2032F

10.1. Saudi Arabia

10.2. UAE

10.3. South Africa

11. Porter's Five Forces Analysis

12. PESTLE Analysis

13. Market Dynamics

13.1. Market Drivers

13.2. Market Challenges

14. Market Trends and Developments

15. List of Existing and Upcoming Plant Capacity (Up to 40)

16. Case Studies

17. Competitive Landscape

17.1. Competition Matrix of Top 5 Market Leaders

17.2. SWOT Analysis for Top 5 Players

17.3. Key Players Landscape for Top 10 Market Players

17.3.1. Jindal Poly Films Limited

17.3.1.1. Company Details

17.3.1.2. Key Management Personnel

17.3.1.3. Products and Services

17.3.1.4. Financials (As Reported)

17.3.1.5. Key Market Focus and Geographical Presence

17.3.1.6. Recent Developments/Collaborations/Partnerships/Mergers and Acquisition

17.3.2. UFlex Limited

17.3.3. SRF Limited

17.3.4. Toray Industries, Inc.

17.3.5. Polyplex Corporation Limited

17.3.6. Ester Industries Limited

17.3.7. Cosmo First Limited

17.3.8. Indorama Ventures Public Company Limited (IVL)

17.3.9. Fujian Billion Advanced Materials Industry Co., Ltd.

17.3.10. Jiangsu Yuxing Film Technology Co., Ltd.

*Companies mentioned above DO NOT hold any order as per market share and can be changed as per information available during research work.

18. Strategic Recommendations

19. About Us and Disclaimer

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Biaxially Oriented Polyethylene Terephthalate Film Market Assessment, By Film Type [Thin Film, Thick Film], By Film Thickness [Below 20 Micron, 20 Micron-50 Micron, 50 Micron-75 Micron, Above 75 Micron], By End-user Industry [Packaging, Industrial, Electrical and Electronics, Imaging, Others], By Region, Opportunities and Forecast, 2018-2032F

Market Report | 2025-04-22 | 221 pages | Market Xcel - Markets and Data

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 License	\$4500.00
	Muti-User/Corporate Licence	\$5700.00
	Custom Research License	\$8200.00
		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*

City*

Zip Code*

Country*

Date

2026-03-04

Signature

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com