

Polyethylene Naphthalate (PEN) Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Market Report | 2024-10-03 | 320 pages | Global Market Insights

AVAILABLE LICENSES:

- Single User \$4850.00
- Multi User \$5350.00
- Enterprise User \$8350.00

Report description:

The Global Polyethylene Naphthalate (PEN) Market was valued at USD 1.7 billion in 2023 and is projected to register a CAGR of 6.2% between 2024 and 2032. The demand for polyethylene naphthalate (PEN) is primarily driven by its superior properties compared to other polyesters, such as PET, including higher thermal stability, chemical resistance, and barrier properties. These characteristics make PEN highly suitable for applications in high-performance packaging, especially for food and beverages that require extended shelf life. □

High production costs represent a significant pitfall for the polyethylene naphthalate (PEN) market. The production of PEN involves more complex synthesis processes and the use of pricier raw materials compared to more conventional polymers like PET. These elevated costs can make PEN less competitive, especially in markets where cost efficiency is a priority. This factor limits the broader adoption of PEN, particularly in large-volume, cost-sensitive applications such as standard packaging and consumer goods. Despite its superior properties, the high cost of PEN can restrict its use to niche markets where high performance justifies the additional expense. Based on application, the market is divided into packaging, beverage bottling, electronics, automotive tires, and others.

Packaging application held the dominant market share of USD 593.3 million in 2023 and is expected to reach USD 1.1 billion by 2032. Packaging is the most dominant application in the polyethylene naphthalate (PEN) market primarily due to PEN's exceptional barrier properties, which are superior to many other polymers. These properties include excellent resistance to oxygen, carbon dioxide, and other gases, making PEN ideal for preserving freshness and extending the shelf life of packaged goods. □

Asia Pacific dominated the global polyethylene naphthalate market in 2023. It generated a revenue of USD 611.4 million in 2023 and is expected to reach USD 1.1 billion by 2032. Asia Pacific dominates the polyethylene naphthalate (PEN) market primarily due to the region's rapid industrial growth, substantial technological investments, and the increasing demand from key end-use industries such as electronics, automotive, and packaging. The region benefits from a strong manufacturing base, particularly in the electronics and automotive sectors, where PEN's superior properties, like high thermal stability and excellent barrier characteristics, are crucial.

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Table of Contents:

Report Content

Chapter 1 Methodology & Scope

- 1.1 Market scope & definition
- 1.2 Base estimates & calculations
- 1.3 Forecast calculation
- 1.4 Data sources
 - 1.4.1 Primary
 - 1.4.2 Secondary
 - 1.4.2.1 Paid sources
 - 1.4.2.2 Public sources

Chapter 2 Executive Summary

2.1 Industry 360 synopsis

Chapter 3 Industry Insights

- 3.1 Industry ecosystem analysis
 - 3.1.1 Key manufacturers
 - 3.1.2 Distributors
 - 3.1.3 Profit margins across the industry
 - 3.2 Industry impact forces
 - 3.2.1 Growth drivers
 - 3.2.2 Market challenges
 - 3.2.3 Market opportunity
 - 3.2.3.1 New opportunities
 - 3.2.3.2 Growth potential analysis
 - 3.3 Raw material landscape
 - 3.3.1 Manufacturing trends
 - 3.3.2 Technology evolution
 - 3.3.2.1 Sustainable manufacturing
 - 3.3.2.1.1 Green practices
 - 3.3.2.1.2 Decarbonization
 - 3.3.3 Sustainability in raw materials
 - 3.3.4 Pricing trends (USD/Ton), 2021 - 2032
 - 3.3.4.1 North America
 - 3.3.4.2 Europe
 - 3.3.4.3 Asia Pacific
 - 3.3.4.4 Latin America
 - 3.3.4.5 Middle East & Africa
 - 3.4 Regulations & market impact
 - 3.5 Porter's analysis
 - 3.6 PESTEL analysis
- #### Chapter 4 Competitive Landscape, 2023
- 4.1 introduction
 - 4.2 Company market share analysis
 - 4.3 Competitive positioning matrix
 - 4.4 Strategic outlook matrix
- #### Chapter 5 Market Size and Forecast, By Application, 2021-2032 (USD Million, Kilo Tons)
- 5.1 Key trends

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

- 5.2 Packaging
- 5.3 Beverage bottling
- 5.4 Electronics
- 5.5 Automotive tires
- 5.6 Others

Chapter 6 Market Size and Forecast, By Region, 2021-2032 (USD Million, Kilo Tons)

- 6.1 Key trends
- 6.2 North America
 - 6.2.1 U.S.
 - 6.2.2 Canada
- 6.3 Europe
 - 6.3.1 Germany
 - 6.3.2 UK
 - 6.3.3 France
 - 6.3.4 Italy
 - 6.3.5 Spain
 - 6.3.6 Russia
 - 6.3.7 Rest of Europe
- 6.4 Asia Pacific
 - 6.4.1 China
 - 6.4.2 India
 - 6.4.3 Japan
 - 6.4.4 Australia
 - 6.4.5 South Korea
 - 6.4.6 Malaysia
 - 6.4.7 Indonesia
 - 6.4.8 Rest of Asia Pacific
- 6.5 Latin America
 - 6.5.1 Brazil
 - 6.5.2 Mexico
 - 6.5.3 Argentina
 - 6.5.4 Rest of Latin America
- 6.6 MEA
 - 6.6.1 Saudi Arabia
 - 6.6.2 South Africa
 - 6.6.3 UAE
 - 6.6.4 Rest of MEA

Chapter 7 Company Profiles

- 7.1 Dupont Teijin Films
- 7.2 DuraFiber Technologies, Inc.
- 7.3 Kolon Plastics
- 7.4 Polyonics
- 7.5 SASA Polyester Industry Inc.
- 7.6 Seiwa Inc.
- 7.7 SKC
- 7.8 Sumitomo Chemical
- 7.9 The EPC Group

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

7.10 Toray Industries

□

Scotts International. EU Vat number: PL 6772247784

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

www.scotts-international.com

Polyethylene Naphthalate (PEN) Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2024 to 2032

Market Report | 2024-10-03 | 320 pages | Global Market Insights

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	\$4850.00
	Multi User	\$5350.00
	Enterprise User	\$8350.00
		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"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="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

