

Global Polyamide (PA) Film Market Outlook to 2027

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Abstracts

Polyamide film, also known as Nylon, is a transparent and printable thermoplastic that has a relatively high melting point, rare strength and toughness, and good oxygen barrier properties and also resistant to scratches, punctures, and flex-cracks, it does not dissolve in or absorb grease, oil, and acidic food. According to BlueQuark Research & Consulting, the global Polyamide Film market is expected to witness a significant growth rate during the forecasted period. Polyamide Films is an ideal product for use in conventional and microwave cooking applications, with the two most popular grades being Polyamide-66 and Polyamide-6 service extensively across various end-user industries. Factors such as the growing demand in the automotive industry and the increasing demand for Polyamide Films in the Food Packaging Industry are expected to propel the future Polyamide Films market. The introduction of Bio-based Polyamide Films, a 'Certified Biobased Product' by the United States Department of Agriculture, is expected to revolutionize the Polyamide Film sector. However, high fluctuation in prices of Polyamide Films and the availability of substitutes such as polypropylene, para-aramid synthetic fibers, and bio-absorbable polymers and the lowered prices are likely to obstruct the Polyamide Films Market's growth. PA film serves various end-users like the Automotive, Food Packaging, and Medical Device industries.

Polyamide films are widely used as packaging materials for cheese, sauces, microwavable products, and dairy products. Manufacturers widely prefer these films due to their high flexibility and non-reactivity with food products.

The Automotive Industry is the prime consumer of Polymer Emulsion globally and is expected to drive the future market. The growth of the Automotive industry is attributed to the increasing high-performance vehicle demand and the increasing urbanization, growing our cities from a small cluster to massive metropolitans where the need for transportation is expected to surge. Polyamide Films are used to finish and protect metallic surfaces due to their excellent mechanical and chemical properties, good

resistance against corrosion, low heat conductivity, and ease of cleaning, with good resistance against grease oils, fuels, hydraulic fluids, water, and alkalis. Polyamide Films such as biaxially oriented polyamide film provide reasonable protection for the vehicle's surface against any damage occurring regularly. The rapid technological advancement in the automotive sector in design, safety, performance, and the demand for efficient automotive vehicles is expected to surge despite the drop-in demand in 2020 due to Covid-19. Polyamide films are also used in beverage and Pharmaceutical packaging due to their excellent heat resistance properties. The expected reliance of people on vehicles as a primary source of transportation, the rising awareness promoting Electric Vehicle sales, and the Government offering subsidies on EV sales are likely to increase the demand for automobiles, which is expected to drive the global Polyamide Films market.

The Asia Pacific is expected to be the largest market for Polyamide Film in the forecasted year. The increasing Electric vehicle market has opened up new opportunities for the automotive industry, promoting the green revolution currently being experienced globally. China's EV sales exceeded 1.3 million units, representing 41% of global EV sales in 2020, depicting the region's automotive boom. India's automotive demand is rising in the forecasted years due to the increasing income of middle-class families and the young population. India's passenger vehicles sales 279,745 units in March 2021, registering a growth of 28.39% compared to the previous year. Nylon film can be quickly processed at low and high temperatures. They are also recyclable and hence eco-friendly. These films do not produce fumes from burning. About 20% of ovenable and microwavable bags available in the market are made of nylon films, owing to the high oxygen barrier properties and permeability to carbon dioxide. Polyamide film properties make an ideal material for usage in conventional cooking and microwave cooking. Nylon films possess specific properties such as high barrier property, strength, and high melting point. Hence, they are used as packaging materials. The medical and healthcare industry is the fastest-growing sector globally due to the increasing health awareness and advancement in the medical industry. According to the Commonwealth Fund, the medical and healthcare expenditure is expected to be doubled from 2019-2029. The Indian Healthcare industry is expected to reach USD 372 billion by 2022, driven by better health awareness and lifestyle diseases. Furthermore, the Indian Government has signed a loan of USD 32 million with the World Bank to improve healthcare services in the North-Eastern State of Mizoram. The increasing demand in the automobile and medical is expected to propel the future Polyamide Film market in the Asia Pacific region.

Key players in the global market were BASF SE, Mondi Group, Jindal, AdvanSix, and

Kolon Industries Inc.

In June 2021, Institute Cyclos-HTP GmbH completed the series of tests commissioned by BASF SE to reassess the recyclability of multilayer films with polyamide 6.

In 2021, Jindal Films Europe, a company of Jindal Group, has 100 % acquired DOMO Films Solutions Spa boosting Jindal Group's capabilities and presence in the pharma, medical, and other high-end flexible packaging segments.

Global Polyamide Film Market report provides deep insight into the Industrial market's current and future state across various regions. The study comprehensively analyses the Polyamide Film market by segmenting based on the Type (Biaxial-Oriental Polyamide (BOPA), Bio-Based Polyamide, Polyamide-6, Polyamide-66, Others), Layer (Mono-layered, Multi-layered, Others), End-User Industry (Automotive, Medical Device, Food Packaging, Others), and Geography (Asia-Pacific, North America, Europe, South America, and Middle-East and Africa). The report examines the market drivers and restraints and the impact of Covid-19 on the market growth in detail. The study covers and includes an emerging market segment, trends, developments, opportunities, and challenges in the industry. This report also covers extensively researched competitive landscape sections with prominent companies and profiles, including their market shares and projects.

Contents

1. Executive Summary

2. Research Scope and Methodology

- 2.1 Aim & Objective of the study
- 2.2 Market Definition
- 2.3 Study Information
- 2.4 General Study Assumptions
- 2.5 Research Phases

3. Market Analysis

- 3.1 Introduction
- 3.2 Market Dynamics
 - 3.2.1 Drivers
 - 3.2.2 Restraints
- 3.3 Market Trends & Developments
- 3.4 Market Opportunities
- 3.5 Feedstock Analysis
- 3.6 Regulatory Policies
- 3.7 Analysis of Covid-19 Impact

4. Industry Analysis

- 4.1 Supply Chain Analysis
- 4.2 Porter's Five Forces Analysis
 - 4.2.1 Competition in the Industry
 - 4.2.2 Potential of New Entrants into the Industry
 - 4.2.3 Bargaining Power of Suppliers
 - 4.2.4 Bargaining Power of Consumers
 - 4.2.5 Threat of substitute products

5. Market Segmentation & Forecast

- 5.1 By Material Type
 - 5.1.1 Polyamide-6
 - 5.1.2 Polyamide- 66
- 5.2 By Film Type
 - 5.2.1 Biaxial-Oriented Polyamide (BOPA)
 - 5.2.2 Cast Non-Oriented Polyamide (CPA)

5.3 By Packaging Type

5.3.1 Pouches (Mono-layered, Multi-layered)

5.3.2 Bags

5.3.3 Others

5.4 By End-Use Industry

5.4.1 Food & Beverages

5.4.2 Pharmaceuticals

5.4.3 Electrical & Electronics

5.4.4 Industrial (includes Chemicals)

5.4.5 Others

Regional Market Analysis

6.1 North America

6.1.1 United States

6.1.2 Canada

6.1.3 Mexico

6.2 Europe

6.2.1 Germany

6.2.2 United Kingdom

6.2.3 Italy

6.2.4 France

6.2.5 Spain

6.2.6 Rest of Europe

6.3 Asia-Pacific

6.3.1 China

6.3.2 India

6.3.3 Japan

6.3.4 South Korea

6.3.5 Rest of Asia-Pacific

6.4 South America

6.4.1 Brazil

6.4.2 Argentina

6.4.3 Rest of South America

6.5 Middle East & Africa

6.5.1 South Africa

6.5.2 Saudi Arabia

6.5.3 Rest of Middle East & Africa

Company Profiles

SE
al
ay Advanced Film Co., Ltd.
cheng Plastics Co., Ltd.
bbo
mo Films Ltd.
Plex
C Group
di Group
itika Ltd.
subishi Chemical Corporation
npak Ltd.
on Industries Inc.
osung Corporation
en Holding Group S.A.C.
l. Plast Public Company Limited
jitz Plastics America Inc.
vanSix
companies is not exhaustive

Competitive Landscape

of Notable Players in the Market
A, JV, and Agreements
Market Share Analysis
Strategies of Key Players

Conclusions and Recommendations

List Of Tables

LIST OF TABLES

Global Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

North America Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

United States Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Canada Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Mexico Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Europe Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

United Kingdom Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Other Supporting Charts

Germany Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Italy Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

France Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Rest of Europe Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

South America Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Brazil Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Argentina Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Rest of South America Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Asia-Pacific Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

China Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

India Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Japan Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

South Korea Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Rest of Asia-Pacific Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Midde East & Africa Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Saudi Arabia Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

South Africa Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

Rest of Middle-East & Africa Polyamide Films Market Size, Market Growth & Market Forecast Volume(in USD million), 2017-2027

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