

Global Nylon 6 Filament Yarn Market Size Study, by Application (Apparel, Home Furnishings, Automotive, Industrial, Others), by Denier Range (Below 10 Denier, 10-20 Denier, 21-50 Denier, 51-100 Denier, Above 100 Denier), by End-Use (Textile Manufacturing, Non-Textile Manufacturing, Automotive Manufacturing, Others), by Additives (Flame Retardants, Antistatic Agents, UV Stabilizers, Antimicrobial Agents, Others), by Yarn Type (Mono-Filament, Multi-Filament, Textured Yarn, Air-Jet Textured Yarn, Draw Textured Yarn), and Regional Forecasts 2022-2032

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Abstracts

The Global Nylon 6 Filament Yarn Market, estimated at approximately USD 17.62 billion in 2023, is poised to expand at a steady compound annual growth rate (CAGR) of 3.59% during the forecast period, reaching a market value of USD 24.20 billion by 2032. Nylon 6 filament yarn, revered for its exceptional tensile strength, elasticity, and abrasion resistance, has become indispensable in industries ranging from apparel to automotive manufacturing. Its unparalleled versatility ensures widespread applicability, fostering robust demand across both textile and non-textile sectors.

A surge in global urbanization and evolving consumer preferences for high-performance, lightweight fabrics have significantly propelled market growth. Furthermore, technological advancements in filament production, particularly in textured and air-jet textured yarns, are redefining fabric aesthetics and functionality. However, challenges such as fluctuating raw material prices and increasing environmental

concerns regarding synthetic fibers may constrain market dynamics. Nevertheless, the development of bio-based nylon alternatives and the integration of advanced additives like UV stabilizers and antimicrobial agents present lucrative opportunities for market expansion.

Regionally, Asia-Pacific dominates the Nylon 6 filament yarn market, buoyed by its robust textile manufacturing base, rising disposable incomes, and burgeoning automotive production in economies like China and India. Europe and North America, characterized by strong automotive and industrial sectors, contribute significantly to the market. Meanwhile, Latin America and the Middle East & Africa, with their growing infrastructural investments and expanding textile industries, present untapped growth avenues.

Major market players included in this report are:

Invista

BASF SE

Ascend Performance Materials LLC

Honeywell International Inc.

Universal Fibers, Inc.

Aquafil S.p.A.

Toray Industries, Inc.

DuPont de Nemours, Inc.

RadiciGroup

DSM Engineering Plastics

Kolon Industries, Inc.

Lanxess AG

UBE Industries, Ltd.

Asahi Kasei Corporation

Hyosung Corporation

The detailed segments and sub-segment of the market are explained below:

By Application:

Apparel

Home Furnishings

Automotive

Industrial

Others

By Denier Range:

Below 10 Denier

10-20 Denier

21-50 Denier

51-100 Denier

Above 100 Denier

By End-Use:

Textile Manufacturing

Non-Textile Manufacturing

Automotive Manufacturing

Others

By Additives:

Flame Retardants

Antistatic Agents

UV Stabilizers

Antimicrobial Agents

Others

By Yarn Type:

Mono-Filament

Multi-Filament

Textured Yarn

Air-Jet Textured Yarn

Draw Textured Yarn

By Region: North America:

U.S.

Canada

Europe:

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific:

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America:

Brazil

Mexico

Middle East & Africa:

Saudi Arabia

South Africa

Rest of Middle East & Africa

Key Takeaways:

Comprehensive market size estimates and forecasts for 2022–2032.

In-depth regional insights and segmental revenue analysis.

Examination of market drivers, challenges, and emerging opportunities.

Strategic profiling of leading market players with competitive intelligence.

Recommendations for stakeholders to capitalize on market trends.

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