

Textile Recycling Market Opportunity, Growth Drivers, Industry Trend Analysis, and Forecast 2025 to 2034

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Abstracts

The Global Textile Recycling Market was valued at USD 6 billion in 2024 and is projected to grow at a CAGR of 4.9% from 2025 to 2034. Textile recycling involves the recovery and reprocessing of used textiles to create new products, contributing to waste reduction and minimizing the environmental footprint of textile manufacturing.

The surge in demand for eco-friendly materials and sustainable fashion is a major factor driving the growth of this market. As consumers increasingly favor brands that prioritize ethical practices, the use of recycled textiles has gained significant momentum. These materials have a much lower environmental impact compared to traditional textiles, which is fueling their popularity. Additionally, advancements in recycling technologies have made it easier to process various types of textiles, including both natural fibers and synthetic materials. Enhanced recycling methods now enable manufacturers to produce higher-quality fibers that are more durable and sustainable.

The rising awareness around environmental conservation is also playing a pivotal role in market growth. Educational campaigns, government regulations, and industry-led initiatives encourage consumers to adopt responsible disposal and recycling habits. This heightened awareness is fostering a culture of sustainability, prompting both individuals and organizations to actively participate in textile recycling programs. Consequently, the growing demand for recycled materials is spurring further technological innovations in the industry.

In terms of waste sources, the market is segmented into home furnishing waste, apparel waste, and others. In 2024, apparel waste emerged as the dominant segment, accounting for USD 3.3 billion in revenue. The high volume of discarded clothing from consumers drives this segment, as fast fashion trends lead to frequent wardrobe

changes. Meanwhile, home furnishing waste and other categories contribute to the market at a slower pace due to their longer product lifecycles.

When segmented by recycling technology, mechanical recycling holds the largest market share at 68.8% in 2024. Its popularity stems from lower operational costs and simpler processes than chemical recycling. Polyester is the leading material in the recycling market, generating USD 2.9 billion in 2024, primarily due to its extensive use in the fashion industry. The demand for recycled polyester is growing, driven by its role in reducing plastic waste and supporting sustainable clothing production.

North America, with the U.S. at the forefront, leads the global textile recycling market. The region benefits from a robust infrastructure for waste collection and processing, alongside increasing investments in sustainable practices and recycling programs.

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 synopsis, 2021-2034

CHAPTER 3 INDUSTRY INSIGHTS

- 3.1 Industry ecosystem analysis
 - 3.1.1 Factor affecting the value chain
 - 3.1.2 Profit margin analysis
 - 3.1.3 Disruptions
 - 3.1.4 Future outlook
 - 3.1.5 Manufacturers
 - 3.1.6 Distributors
- 3.2 Supplier landscape
- 3.3 Profit margin analysis
- 3.4 Key news & initiatives
- 3.5 Regulatory landscape
- 3.6 Impact forces
 - 3.6.1 Growth drivers
 - 3.6.1.1 Rising demand for sustainable fashion and eco-friendly materials
 - 3.6.1.2 Advancements in recycling technologies for various textile types
 - 3.6.1.3 Growing awareness among consumers about waste reduction
 - 3.6.2 Industry pitfalls & challenges
 - 3.6.2.1 High costs associated with textile collection, sorting, and processing

- 3.6.2.2 Quality degradation of recycled fibers compared to virgin fibers
- 3.7 Growth potential analysis
- 3.8 Porter's analysis
- 3.9 PESTEL analysis

CHAPTER 4 COMPETITIVE LANDSCAPE, 2024

- 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 SOURCE, 2021-2034 (USD BILLION, KILO TONS)

- 5.1 Key trends
- 5.2 Apparel waste
- 5.3 Home furnishing waste
- 5.4 Others

CHAPTER 6 MARKET SIZE AND FORECAST, BY TECHNOLOGY, 2021-2034 (USD BILLION, KILO TONS)

- 6.1 Key trends
- 6.2 Mechanical recycling
- 6.3 Chemical recycling

CHAPTER 7 MARKET SIZE AND FORECAST, BY MATERIAL, 2021-2034 (USD BILLION, KILO TONS)

- 7.1 Key trends
- 7.2 Polyester
- 7.3 Cotton
- 7.4 Nylon
- 7.5 Wool
- 7.6 Others

CHAPTER 8 MARKET SIZE AND FORECAST, BY WASTE, 2021-2034 (USD BILLION, KILO TONS)

8.1 Key trends

8.2 Pre-Consumer waste

8.3 Post-Consumer waste

CHAPTER 9 MARKET SIZE AND FORECAST, BY END USE, 2021-2034 (USD BILLION, KILO TONS)

9.1 Key trends

9.2 Apparel

9.3 Home furnishing

9.4 Fabrics

9.5 Building & construction

9.6 Automotive & transportation

9.7 Others

CHAPTER 10 MARKET SIZE AND FORECAST, BY REGION, 2021-2034 (USD BILLION, KILO TONS)

10.1 Key trends

10.2 North America

10.2.1 U.S.

10.2.2 Canada

10.3 Europe

10.3.1 UK

10.3.2 Germany

10.3.3 France

10.3.4 Italy

10.3.5 Spain

10.3.6 Russia

10.4 Asia Pacific

10.4.1 China

10.4.2 India

10.4.3 Japan

10.4.4 South Korea

10.4.5 Australia

10.5 Latin America

10.5.1 Brazil

10.5.2 Mexico

10.6 MEA

10.6.1 South Africa

10.6.2 Saudi Arabia

10.6.3 UAE

CHAPTER 11 COMPANY PROFILES

11.1 BLS Ecotech

11.2 iinouio

11.3 Leigh Fibers

11.4 Lenzing

11.5 Martex Fiber

11.6 Patagonia

11.7 Pistoni S.r.l.

11.8 RE TEXTIL Deutschland

11.9 Renewcell

11.10 Textile Recycling International

11.11 Unifi

11.12 Worn Again Technologies

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