

U.S. Nonwoven Filter Media Market Size, Share & Trends Analysis Report By Media Type (Polypropylene, Polyester, Fiberglass), By Filtration Category (Air Filtration, Liquid Filtration), By End Use (Residential, Commercial, Industrial), And Segment Forecasts, 2026 - 2033

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Abstracts

Summary

The U.S. nonwoven filter media market size was estimated at USD 1.19 billion in 2025 and is projected to reach USD 1.91 billion by 2033, growing at a CAGR of 6.1% from 2026 to 2033. The demand for nonwoven filter media in the U.S. is increasing due to its widespread use in air, liquid, and industrial filtration applications.

Rising concerns over indoor and outdoor air quality are driving higher adoption of HVAC systems in residential, commercial, and industrial buildings. Growth in healthcare infrastructure has increased the use of filtration media in medical devices, cleanrooms, and infection-control systems. Industrial manufacturing facilities require efficient filtration to meet operational and environmental standards, further supporting market growth. The automotive sector continues to use advanced filtration for cabin air and engine protection. The expansion of water and wastewater treatment facilities is also contributing to the demand.

Key demand drivers include tightening air quality regulations and workplace safety standards in the U.S. Increased installation of HVAC systems in commercial and residential construction is supporting consistent filter replacement demand. Industrial users require reliable filtration solutions to control particulate emissions and maintain

equipment efficiency. Growth in the healthcare sector continues to generate steady demand for high-efficiency filter media. Automotive manufacturers are focusing on improved air quality in cabins, supporting the use of nonwoven media. Advancements in manufacturing processes have improved filtration efficiency and durability. The cost-effectiveness and flexibility of nonwoven materials, compared to alternatives, further support their adoption.

U.S. environmental regulations related to air emissions and indoor air quality encourage the use of efficient filtration systems. Agencies such as the EPA enforce compliance standards that require industrial and commercial facilities to upgrade filtration equipment. Occupational safety guidelines promote cleaner working environments, increasing demand for HVAC and industrial filtration. Government programs focused on improving public infrastructure indirectly support demand for filtration products. Regulations in the healthcare and food processing sectors require controlled environments and contamination prevention. Emission standards for vehicles also influence filtration requirements.

U.S. Nonwoven Filter Media Market Report Segmentation

This report forecasts revenue growth at the country level and provides an analysis on the industry trends in each of the sub-segments from 2021 to 2033. For this study, Grand View Research has segmented the U.S. nonwoven filter media market on the basis of media type, filtration category, and end use:

Media Type Outlook (Revenue, USD Million, 2021 - 2033)

Polypropylene (PP)

Polyester (PET)

Fiberglass

Others

Filtration Category Outlook (Revenue, USD Million, 2021 - 2033)

Air Filtration

By MERV Rating

1 to 4 MERV

5 to 8 MERV

9 to 12 MERV

13 to 16 MERV

Above 17 MERV

By Application

Pleated Filters

Bag Filters

Rigid cell filters

Others

By End Use

HVAC & General Ventilation Air

Industrial Air Filtration

Cleanroom

Others

Liquid Filtration

End Use Outlook (Revenue, USD Million, 2021 - 2033)

Residential

HVAC

Others

Commercial

HVAC

Others

Industrial

HVAC

Others

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