

ETFE Market by Type(Pellet/Granule, Powder), Technology(Extrusion, Injection), Application(Films & Sheets, Wire & Cables, Tubes, Coatings), End-use Industry(Building & Construction, Automotive, Aerospace & Defense) & Region - Global Forecast to 2026

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# **Abstracts**

The global Ethylene Tetrafluoroethylene (ETFE) market size is estimated to be USD 334 million in 2021 and is projected to reach USD 451 million by 2026, at a CAGR of 6.2% between 2021 and 2026. Increasing usage of ETFE in solar panels, substitute for glass and other conventional materials, and growing demand in end-use industries are driving the demand for ETFE during the forecast period. However, ETFE is prone to puncture, transmit more sound than glass, and higher cost than other conventional material, which is hampering the market growth.

"Pellet/granule is projected to be the largest segment by type in ETFE market"

Based on type, pellet/granule is estimated to be the largest type of ETFE during the forecast period. The pellet/granule form of ETFE can be both, extruded and injected to convert it to films & sheets, wires & cables, and tubes, which are then used by various end-use industries such as architecture, automotive, chemical processing, and others. They have low melting points and high-melt flow rates (MFRs), making pellets suitable for injection, extrusion, rotational, and other molding processes.

"Films & sheets is projected to be the largest segment by application in ETFE market"

Films & sheets is estimated to be the largest and fastest-growing application segment in



the ETFE market during the forecast period. ETFE films & sheets are temperature, aging, and chemical resistant and have superior mechanical strength. ETFE films and sheets are now largely replacing glass in the building & construction industry due to superior light transmission properties. ETFE sheets are more commonly found as roofing in public areas, such as stations, airports, educational centers, museums, conference centers, and other artistic structures. ETFE films are also used for front and backing sheets of photovoltaic (PV) modules. When used as front sheets for PV modules, these films help improve the efficiency of solar cells since they transmit 90%-95% of light.

"Building & construction is projected to be the largest segment by end-use industry in ETFE market"

Building & construction is estimated to be the largest end-user segment in the ETFE market during the forecast period. ETFE is majorly used in non-residential, civil infrastructures, and commercial buildings for roofing application. Energy efficiency, cost control, low carbon emissions, sustainability, recyclability, and green buildings are major factors that influence the construction industry. ETFE films are lightweight, cost-effective, eco-friendly, 100% recyclable and esthetically preferred compared to glass. These properties propel the demand for ETFE films in the construction industry.

"North America accounts for the largest share in ETFE market by region"

North America was the largest ETFE market in 2020. The major end users of ETFE in North America building & construction, automotive, aerospace, electric & electronics, nuclear, and solar energy. The US dominates the ETFE market in North America in terms of value and volume. New construction projects, greenhouse applications, steady growth in automotive, and an increase in PV installation in the region are driving the ETFE market in the region.

Extensive primary interviews were conducted to determine and verify the market size for several segments and sub segments and information gathered through secondary research.

The break-up of primary interviews is given below:

By Company Type - Tier 1 – 45%, Tier 2 – 35%, and Tier 3 – 20%

By Designation - C-level Executives - 22%, Director level - 18%, and Others\* -



60%

By Region – North America– 34%, Europe – 25%, Asia Pacific – 30%, South America– 6%, and Middle East & Africa- 5%

Notes: Others include sales, marketing, and product managers. Tier 1: >USD 1 Billion; Tier 2: USD 500 million–1 Billion; and Tier 3:



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\*Details on Business Overview, Products Offered, Recent Developments, Winning Imperatives, and MnM View (Key strengths/Right to Win, Strategic Choices Made, and Weaknesses and Competitive Threats) might not be captured in case of unlisted companies.



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