

## **Pyrophyllite - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)**

Market Report | 2025-04-28 | 170 pages | Mordor Intelligence

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### **Report description:**

The Pyrophyllite Market size is estimated at 770.10 kilotons in 2025, and is expected to reach 859.04 kilotons by 2030, at a CAGR of 2.21% during the forecast period (2025-2030).

#### Key Highlights

- The growing demand for pyrophyllite from ceramics and increasing consumption in refractory and foundry are the major factors driving the demand for pyrophyllite. Increasing construction activities and the rising demand for ceramics and fiberglass are also boosting the growth of the market studied.
- However, health issues due to pyrophyllite dust during mining and the availability of substitutes are expected to hinder the market's growth.
- Nevertheless, innovations in product development and processing techniques are expected to create new opportunities for the market.
- Asia-Pacific is expected to dominate the market, with the majority of demand coming from China and India.

#### Pyrophyllite Market Trends

##### Growing Demand for Pyrophyllite from Ceramics

- Pyrophyllite is a distinctive and notable mineral commonly found in slate, phyllite, certain schists, and other early-stage metamorphic rocks.

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- Pyrophyllite is a vital raw material in ceramics. It not only lowers firing temperatures but also minimizes thermal expansion, shrinking, and cracking. Moreover, it enhances thermal shock resistance, resulting in a finished product with a high degree of vitrification and robust mechanical resistance.
- Due to its toughness, electrical resistance, and chemical inertness, the demand for pyrophyllite in ceramics is likely to increase in the construction and automotive industries in the coming years.
- China is one of the largest producers of ceramics worldwide. According to the China Ceramic Association, the market value of the industrial ceramic manufacturing industry in China was USD 34.7 billion in 2023, which witnessed an increase of 5.2% compared to 2022.
- The demand for ceramics in various industries propelled ceramics exports. India's ceramic product exports in 2023 were valued at approximately INR 300.2 billion (~USD 3.6 billion), as per data from the Directorate General of Commercial Intelligence and Statistics (DGCI&S). This surge in India's ceramics industry boosted domestic consumption.
- The booming construction sector has increased the demand for ceramic tiles. Data from Ceramic World highlights Asia as the premier global hub for ceramic tile manufacturing, being the top exporter in 2022, shipping over 1.35 billion square meters. The European Union followed as the second-largest exporter, with 965 million square meters.
- Data from the US Department of Commerce reveals that in 2023, ceramic tile exports from the United States reached a record high of 4.7 million square meters (51 million sq. ft.), marking a 0.5% increase from the previous year. The vast majority of these exports went to Canada (65.8%) and Mexico (19.7%). In terms of value, the US exports were worth USD 53.3 million, up by 1.4% from 2022.
- Due to the aforementioned factors, the application of ceramics is likely to dominate during the forecast period.

#### Asia-Pacific Expected to Dominate the Market

- Asia-Pacific is expected to dominate the pyrophyllite market during the forecast period. The rising demand for pyrophyllite in countries such as China and India is primarily fueled by the growing application of ceramics in their construction industries. As the construction industry surges, so does the demand for ceramic tiles.
- Data from Ceramic World highlights that India's ceramic tile industry is gaining global prominence, especially with its exports witnessing steady growth across continents. Notably, in 2023, India exported a record 589.5 million square meters of ceramic tiles, marking a 39.6% surge from 2022.
- Pyrophyllite serves as a crucial filler in the paper and paint industries. The Indian Paper Manufacturers Association (IPMA) reported that in 2023, India's paper and paperboard product exports were valued at around USD 3.04 billion.
- In agriculture, pyrophyllite acts as a fertilizer carrier, enhancing soil nutrient retention and minimizing leaching. Dominating the global fertilizer landscape, China produced 55.73 million tons of nitrogen, phosphate, and potash fertilizers in 2022, reflecting a 0.5% year-on-year increase, as per the National Bureau of Statistics of China.
- Pyrophyllite's unique attributes (thermal stability, refractoriness, chemical resistance, and mechanical strength) make it indispensable in the refractory industry. This is further underscored by refractory manufacturers' investments to bolster their production capacities, signaling a robust growth trajectory for the market.
- For instance, in February 2023, Vesuvius Group unveiled a USD 61 million investment plan aimed at amplifying its refractory manufacturing footprint in India over the next three to five years. This strategic move is set to elevate the company's monthly production capacity by 35%, particularly with enhancements at its Taratala unit in Kolkata.
- Given these dynamics, Asia-Pacific is set for significant growth in the pyrophyllite market during the forecast period.

#### Pyrophyllite Industry Overview

The pyrophyllite market is highly consolidated in nature. The major players (not in any particular order) include Hankook Mineral

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Powder Co. Ltd, Hebei Yayang Spodumene Co. Ltd, Idwala Industrial Holdings (Pty) Ltd, Pt. Gunung Bale, and R.T. Vanderbilt Holding Company Inc.

Additional Benefits:

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

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