

Bentonite Market is Expected to Reach a Valuation of USD 4.3 Billion by 2035 | Fact.MR Report

Growing demand from construction, oil & gas, and foundry sectors is driving the bentonite market, supported by its versatile binding and sealing properties.

ROCKVILLE, MD, UNITED STATES, July 21, 2025 /EINPresswire.com/ -- The global [bentonite market](#) is experiencing a robust upswing, underpinned by its versatile applications across product types, industry segments, and end-use sectors. A deep dive into recent data reveals that the market is forecast to expand from USD \square 2.5 \square billion in 2025 to USD \square 4.3 \square billion by 2035, growing at a steady CAGR of 5.2 \square percent.



The bentonite market is witnessing steady growth, driven by its extensive use across various industries due to its exceptional properties such as swelling, water absorption, and viscosity. Categorized into sodium and calcium types, bentonite finds applications in drilling fluids, binders, sealants, absorbents, and clarification agents. It plays a vital role in sectors like oil and gas, foundry, construction, food processing, and pharmaceuticals. Rising infrastructure development, increased oil and gas exploration, and demand for eco-friendly absorbents are key factors boosting market expansion globally.

Key Trends & Market Forces

Rising sodium-bentonite share: Preferred for drilling fluids and foundry uses due to superior swelling and viscosity traits.

Environmental focus: Growth in applications like landfill liners, wastewater treatment, and soil remediation as sustainability becomes a priority.

Regulatory influence: Stricter controls on clay additives encourage adoption in civil engineering and waste management.

Agricultural and pharma applications: Growing use as carriers, clarifiers, and in personal

care—broadening bentonite's utility.

Emerging-region growth: Asia, Latin America, and the Middle East investments in infrastructure surge demand, while tech gaps in specialized applications remain a challenge.

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Market Outlook: 2025–2035

The global bentonite market is projected to increase from USD 2.5 billion in 2025 to USD 4.3 billion by 2035, with a CAGR of 5.2%, driven by increased demand in the construction, iron ore pelletizing, oil and gas, wastewater treatment, and foundry industries. Their use makes them ideal for binding, sealing, and lubricating applications across various industries, including mining, construction, and drilling.

Drivers of this growth include:

Construction boom: Driven by a global rise in infrastructure projects—tunneling, subways, and high-rise foundations.

Iron ore pelletizing: Critical in steelmaking; bentonite acts as a key binder.

Oil & gas expansion: Especially in shale and offshore regions, where demanding drilling conditions prevail.

Wastewater and landfill sealing: Tightened environmental regulations promoting bentonite-based liners.

Foundry recovery: Revived metal casting activity demands consistent bentonite for mold stability.

This wide industrial demand profile cements bentonite's critical role as a binding, sealing, and lubricating agent in industries like mining, construction, and drilling.

Regional Insights

Asia-Pacific: The largest market, with China, India, and Southeast Asia leading. Urbanization, steel production, and infrastructure development propel demand. India, rich in both sodium and calcium bentonite, harnesses domestic supplies for construction and drilling.

North America: The U.S. remains a leading producer—especially from Wyoming—for sodium bentonite. Demand is driven by drilling activities in shale regions like the Permian and Bakken basins, along with construction and environmental containment projects.

Industry Dynamics & Competitive Landscape:

The bentonite sector is highly fragmented, with a mix of global giants and regional producers. Leading names in the market include:

Clariant AG
Minerals Technologies Inc.
Ashapura Group
Wyo-Ben Inc.
Black Hills Bentonite LLC
Kutch Minerals
Bentonite Performance Minerals

These companies emphasize quality, custom formulations, API/ISO compliance, and sustainable sourcing. Innovation efforts target higher purity, tailored grades, and technical service offerings, creating strong differentiation in the market.

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Segmentation:

By Product Type

Sodium bentonite: Dominating the market, widely valued for its high swelling capacity and use in drilling fluids, sealants, and pelletizing.

Calcium bentonite: Holds significant share, commonly used in animal feed, cosmetics, and pharmaceuticals.

By Application

Drilling Fluids: The largest application segment, especially in oil & gas, where bentonite's rheological properties are crucial for stabilizing boreholes and carrying cuttings.

Binders: Frequently used in foundry and iron ore pelletizing, binding materials efficiently.

Sealants: Essential in geotechnical applications—slurry walls, landfill liners, tunnels.

Absorbents: Leveraged for spills, pet litters, and industrial spills cleanup.

Clarification Agents: Utilized in edible oil refining, wine, and juice filtration.

Others: Includes products like cat litter, personal care items, and agricultural carriers.

By End-Use Industry

Oil: The top end-use, driven by global exploration and shale activity requiring high-performance mud systems.

Foundry: A steady segment, supplying bentonite as sand binders for metal casting molds.

Construction: An expanding sector, employing bentonite in waterproofing, foundation sealing, and tunneling.

Food: Used as clarifying agents and processing aids in edible oils and beverages.

Pharmaceuticals: Offers uses in pills, detox products, and cosmetic applications.

Others: Includes agriculture (soil amendments), environmental remediation, cat litter, and pet

care.

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The global [packaging coating market](#) is projected to increase from USD 4.2 billion in 2025 to USD 8.1 billion by 2035, with a CAGR of 6.8%.

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