

Product Data Sheet

Calcium Bentonite

Description

Description	Calcium bentonite is a natural calcium-montmorillonite clay with moderate swelling and good adsorption capacity. Sourced from Rajasthan and Madhya Pradesh deposits, it is a cost-effective grade for filler, absorbent, animal feed, and agricultural applications where extreme swelling is not required.
Applications	Used as a filler and absorbent, in animal feed (pellet binder / toxin binder), agriculture and soil conditioning, bleaching/decolourising, and cat litter.
Used In	Filler, absorbent, animal feed, agriculture

Key Benefits

- Moderate swelling – 2–4x dry volume
- Good adsorption and absorption capacity
- Cost-effective natural calcium type
- Sourced from Rajasthan / Madhya Pradesh
- Suitable for feed, filler, and agricultural use

Chemical Analysis & Physical Data

Technical Specification

Parameter	Specification
Montmorillonite Content	Moderate
Swelling Ratio	2 – 4x dry volume
Water Absorption	Moderate
Moisture	Max. 12%
Colour	Cream / light tan
Activation	Natural calcium type

Physical Properties

Property	Specification
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Form	Powder or granules (customisable)
Typical Fineness	200 / 325 mesh (to spec)
Origin	Rajasthan / Madhya Pradesh, India
Colour	Cream / light tan
pH (in suspension)	Approx. 7 – 9

* Typical values; mine- and lot-dependent. Test methods available upon request.

Packaging

- 25 kg / 50 kg PP / HDPE woven bags
- 1 MT / 1.25 MT Jumbo Bags (FIBC)
- Loose in bulk for large industrial / export orders
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area protected from moisture
- Bentonite is hygroscopic – keep bags sealed until use
- Avoid dust generation; provide adequate ventilation
- Handle with appropriate PPE to control dust

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Specifications vary by mine and lot; figures are typical values. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.