

Product Data Sheet

Barytes — Filler & Rubber Grade

Description

Description	Filler & rubber grade barytes (barium sulphate, BaSO_4) is a high-whiteness, high-density functional filler for elastomeric and plastic composites. Its dense matrix and chemical inertness add weight, improve dimensional stability, and enhance the performance of rubber and plastic products.
Applications	Used as a performance filler in rubber compounds, plastics and polymer composites, masterbatches, friction materials, and sound-deadening compounds.
Used In	Rubber, plastics, polymer composites, masterbatch, friction materials

Key Benefits

- High whiteness for clean filled products
- Dense matrix adds weight and dimensional stability
- Chemically inert with good chemical resistance
- Improves performance of elastomeric and plastic composites
- Cost-effective high-purity functional filler

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Barium Sulphate (BaSO_4)	Min. 93%
Iron Oxide (Fe_2O_3)	Max. 0.15%
Silica (SiO_2)	Max. 2.0%
Whiteness / Brightness	88 – 93
Specific Gravity	Approx. 4.2 – 4.4
Moisture	Max. 0.3%

Physical Properties

Property	Specification
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Form	Powder (customisable fineness)
Typical Fineness	200 / 325 mesh or micronised (to spec)
Whiteness	88 – 93
Moisture	Max. 0.3%
Origin	India

* Fineness supplied to buyer requirement. 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 and contamination
- Avoid dust generation; provide adequate ventilation
- Keep away from contaminants that could affect purity
- 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.