

Product Data Sheet

Barytes — Paint & Coating Grade

Description

Description	Paint & coating grade barytes (barium sulphate, BaSO ₄) is a high-brightness, low-oil-absorption functional filler. Its controlled D50/D97 particle size distribution and chemical inertness make it an excellent extender for industrial paints, coatings, and primers, improving film density and durability.
Applications	Used as a filler / extender in industrial paints, powder coatings, primers, automotive coatings, and other surface-finish applications.
Used In	Paints, powder coatings, primers, automotive coatings

Key Benefits

- High brightness for clean, bright finishes
- Low oil absorption – improves loading and film density
- Controlled D50 / D97 particle size distribution
- Chemically inert with excellent acid/alkali resistance
- High purity (BaSO₄ min. 95%) for consistent quality

Chemical Analysis & Physical Data

Chemical Composition

Parameter	Specification
Barium Sulphate (BaSO ₄)	Min. 95%
Iron Oxide (Fe ₂ O ₃)	Max. 0.10%
Silica (SiO ₂)	Max. 1.5%
Whiteness / Brightness	90 – 95
Oil Absorption	Low (typically 8–12 g/100g)
Moisture	Max. 0.3%

Physical Properties

Property	Specification
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Form	Micronised powder
Typical D50	To buyer requirement (e.g. 2–10 µm)
Typical D97	To buyer requirement
Whiteness	90 – 95
Origin	India

* Particle size (D50/D97) 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.