

BARITE ORE – Drilling Grade Feedstock

Description

Barite ore is a naturally occurring barium sulphate mineral (BaSO_4) supplied as run-of-mine or crushed material. It is used as feedstock for grinding operations to produce drilling-grade barite powder in accordance with API specifications.

Application

Barite ore is utilized as raw material for barite milling plants supplying the oil & gas industry. Once processed, it serves as a weighting agent in drilling fluids to control formation pressures, stabilize the borehole, and assist in well control operations.

Handling and Storage

Barite ore should be handled using conventional bulk material handling equipment. Material should be stored in a dry area to minimize moisture pickup and contamination prior to processing.

Typical Physical Properties

Property	Typical Value
Appearance	Grey to off-white rock / lump
Mineral form	Barium sulphate (BaSO_4)
Specific Gravity (mineral)	~4.3 – 4.5
Hardness (Mohs)	3 – 3.5
Solubility	Insoluble in water and oil

Typical Chemical Characteristics

- BaSO_4 content: typically > 85%
- Minor associated minerals may include quartz, calcite, dolomite, or iron oxides depending on deposit origin.

Quality & Compliance

Barite ore is sourced from controlled mining operations. Chemical composition and mineralogy may vary by deposit. Detailed chemical analysis is provided via Certificate of Analysis upon request.

Packaging & Shipment

- Supplied in bulk (break-bulk vessels or bulk trucks)
- Shipment format subject to buyer's requirements

Disclaimer

The values shown are typical and do not constitute a certificate of analysis. Suitability of the material for a specific application remains the responsibility of the user.