

Product Data Sheet

Barite O50



Barite API Barite O-50 is a very finely ground natural barium sulphate ($BaSO_4$) with a minimum purity of 85% $BaSO_4$, specifically processed to provide a fine particle size distribution. This enhanced fineness improves suspension stability, reduces sagging, and contributes to better rheological behavior in drilling fluids. Barite O-50 is used as an effective weighting agent in both water-based and oil-based drilling fluids, enabling reliable density control and hydrostatic pressure management during drilling operations.

Advantages

- The fine particle size improves suspension stability compared to standard API barite.
- Smaller particles contribute to smoother flow behavior and better fluid performance.

Typical Properties

Parameter	Test method / In accordance with	Required
Density	Le Chatelier Flask	$\geq 4200 \text{ kg/m}^3$
Water soluble alkaline earth metals as Calcium	API 13A § 7.6	Max. 250 mg/kg
Grain size D50	Air dispersion on SYMPATEC	Range 7-12 μm
Grain size D90	Air dispersion on SYMPATEC	Max. 45 μm

Certification & Accreditation

Barite O50 is CEFAS registered.

Barite O50 is available as bulk.

Version; v3 2026

*As far as we can judge, the above information is correct. However, we cannot give you any guarantees about the results you will achieve with this. This description is offered to you on the condition that you decide for yourself to what extent it is suitable for your purposes.

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