

Lager für Bauxit und Aluminium





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Bauxit ist derzeit das wichtigste Aluminiumerz und dient mit wenigen Ausnahmen als Basis fast der gesamten weltweiten Aluminiumindustrie.

BAUXIT ist ein Aluminiumerz, bestehend aus Aluminiumoxidhydraten, Eisen- und Siliziumoxiden, Rohstoffen zur Herstellung von tonerdehaltigen Feuerfestmaterialien und Aluminiumoxid. Der Gehalt an Aluminiumoxid in Industriebauxiten reicht von 40 % bis 60 % und mehr. Neben den Hauptbestandteilen enthält das Erz etwa 15 Namen seltener Verunreinigungen wie Anadium, Chrom, Zinn, Beryllium, Scandium, Zink, Kupfer, Barium und Blei.

Eckdaten

Plastizität
Hitzebeständigkeit
geringe Dichte
Wärmeleitfähigkeit
Elektrische Leitfähigkeit
Korrosionsbeständigkeit

28 % bis 60 % (und sogar mehr) der Masse des Erzkörpers von Bauxit ist Aluminium. Die reichen Verunreinigungsrückstände ermöglichen die Gewinnung anderer Nichteisenmetalle aus Bauxit. Das aus Bauxit gewonnene Aluminiumoxid Al_2O_3 wird als Formstoff und metallurgisches Flussmittel verwendet. Aluminiumoxidhaltige Feuerfestmaterialien weisen eine hohe Beständigkeit gegen thermische und mechanische Belastungen auf.

Lagerstätte

Die Lagerstätte befindet sich im südöstlichen Küstenteil des Kusmurn-Sees und bedeckt teilweise das Seeufer. Sie besteht aus einigen unregelmäßig geformten Erzkörpern auf einer Fläche von 26,2 km². I

Die Fläche der Erzkörper beträgt 3,2 km².

Minen Ressourcen

Die Minenreserven belaufen sich nach geologischen Angaben auf etwa 8 Millionen Tonnen Bauxit mit einem durchschnittlichen Gehalt von 51-53 % Aluminiumoxid. Laut Experten enthält die Mine etwa 40 Millionen Tonnen unbestätigte Reserven an Bauxiterz, was den hohen Wert ihrer tatsächlichen Menge charakterisiert

Standort des Lagers

- Wasser in der Nähe des Standorts
- Bahn "Sackgasse" etwa 500 Meter entfernt
- Strom jeder Kapazität
- Bahnstation etwa 7km entfernt
- flaches Gebiet

Alle notwendigen Schritte zur Erlangung von Genehmigungen für die Bauxitproduktion sind abgeschlossen.

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BUSINESS TYPE

Bergbau

COUNTRY

Kasachstan

BUSINESS ID

L#20220389

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