

ALSAN SODIUM BENTONITE

Foundry Bentonite

High-quality sodium bentonite engineered as an efficient binder for green-sand moulding systems.

Reliable mineral solutions for demanding applications

ALSAN Foundry Bentonite develops high wet and dry strength, supports dimensional stability of moulds and helps improve casting surface quality. Controlled swelling, moisture and particle-size distribution provide consistent performance in manual and automatic moulding lines.

Key benefits	Typical applications
- High binding capacity - Stable green and dry strength - Good sand-system reusability - Cleaner casting surfaces - Consistent batch performance	- Iron and steel casting - Non-ferrous metal casting - Green-sand moulding systems - Automatic moulding lines

Typical technical characteristics

Parameter	Typical target	Test / note
Moisture	8-12%	Oven-drying method
Swelling volume	Minimum 24 ml / 2 g	Swelling test
Methylene blue value	330-380 mg/g	MB test
Particle size	Minimum 90% below 75 microns	Sieve analysis
Green compression strength	System-dependent	Moulding-sand test

Application guidance

Analyse active clay, moisture and return-sand temperature before setting the dosage. Balance bentonite, water and carbonaceous additives for the moulding system. Monitor compactability, strength and casting defects regularly to maintain a stable process.

Quality assurance

Raw-material selection, moisture, particle size and application-relevant performance values are controlled by batch. The agreed product specification and the certificate of analysis (CoA) for the delivered batch govern conformity assessment.

Packaging and storage

Standard supply is available in moisture-protected bags or big bags. Store in a clean, dry and covered area protected from water and contamination. Grade, packaging and delivery conditions can be adapted to customer requirements.

Technical note

Values shown in this catalogue are typical product targets and are not a binding delivery specification. Please contact ALSAN for grade selection, samples, current specifications and application support.

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