

**ALPHA STONE**For grinding & packing
Calcium carbonate

Calcium Bentonite Technical Data Sheet

AS-Ca-Bentonite 60

Chemical Properties

SiO ₂	48.0% – 53.0%
Al ₂ O ₃	18.0% – 22.0%
Fe ₂ O ₃	5.5% – 8.0%
K ₂ O	0.6-1.1 %
CaO	0.3% – 1.0%
MgO	0.2% – 0.8%
Na ₂ O	1.0% – 2.0%
Loss on Ignition (LOI)	14.0%-18.0 %

Physical Properties

Top Cut (D97) μ	60 $\pm$ 2
Colour	Brownish
Hardness (Mohs)	1-2.5
Residue on 63 μ m Sieve %	3-6 %
pH	7.5 $\pm$ 1
Bulk Density gm/cm ³	0.95 $\pm$ 0.3
Specific Gravity (gm/cm ³)	2.4-2.8
Montmorillonite Content	65% - 75%
Moisture	12% Max
Free Swell ml/2 g	11 $\pm$ 3

Packing

Available packing alternatives:

- 25 Kg PP Bags.
- 50 Kg PP Bags.
- Jumbo Bags.

Container Loading

Container Type Approx. Net Weight

20 FT Container (20-25) Tons depending on packing method

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