

Technical Data Sheet
Powder Calcium Bentonite

Revised: 8/25/09

PELBON[®]

General Description	Pelbon is a consistent, high quality calcium bentonite supplied as a 150 mesh powder.
Functional Use	Used for a variety of agricultural applications including as a pelleting aid, anti-caking agent, flow agent, and carrier.
Purity	Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. Contains minor amounts of quartz, feldspar and mica.
Elemental Composition	Typical analysis – moisture free. SiO ₂ 60.5 % Al ₂ O ₃ 18.2 % Fe ₂ O ₃ 5.25 % MgO 3.26 % CaO 3.14 % Na ₂ O 0.20 % K ₂ O 0.14 % LOI 4.85 %
Moisture	Maximum 15% as shipped.
Dry Particle Size	40% Minimum passing 200 mesh (74 micron).
pH	5.0 to 9.0 @ 5% solids.
Bulk Density	50 to 62 pounds per cubic foot
Base Exchange	Typical base exchange ions or exchangeable cations (meq / 100g) Calcium 60 – 70 Sodium 0 – 3 Magnesium 5 – 15 Potassium 0 – 4
Packaging	50 or 100 pound multi-wall paper bags, bulk bags or bulk.

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