

General Purpose Calcium Bentonite

Revised 05/25/06

Panther Creek® 200

General Panther Creek 200 is a consistent, high-quality calcium bentonite supplied as a 200 **Description**

mesh powder.

A general purpose filler and binder for compressed and pelletized products. Used **Functional** Use

to increase green compression strength and impart flowability.

Hydrous aluminum silicate comprised principally of the clay mineral montmorillonite. **Purity**

Montmorillonite content 85% minimum. Contains minor amounts of feldspar, calcite,

and quartz.

Moisture Maximum 12% as shipped.

Dry Particle

Size

Minimum 70% passing 200 mesh (74 micron).

Hq 6.0 to 10.0 @ 5% solids.

CEC 97 - 109 meg / 100g.

Exchangeable

Calcium

Minimum 50 meg / 100g.

Dioctahedral smectite, an expanding layer silicate: Chemical

Formula $(Na,Ca)_{0.33} (Al_{1.67}Mg_{0.33})Si_4O_{10}(OH)_2 nH_2O$

Elemental Composition Typical analysis – moisture free.

60.50 % SiO₂ 18.20 % Al_2O_3 Fe_2O_3 5.25 % 3.26 % MgO CaO 3.14 % 0.20 % Na₂O K₂O 0.14 % LOI 4.85 %

Packaging Multi-wall paper bags 100-pound or 50-pound, or bulk.

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