This slurry is specially designed for papermaking on modern, high speed machines. It is made using high swelling sodium Bentonite in a single component suspension of anionic nano-particles. Its chemistry is controlled by its very large surface area. Its physical properties can be controlled in the papermaking process. The P-Slurry is typically used in conjunction with starch as an aid in retention and drainage applications.

**CHEMICAL SPECIFICATION, DRY POWDER:**

- Bentonite is a naturally occurring, alkali silicate mineral
- SiO2  60.3%
- Al2O3  19.3%
- Na2O  2.4%
- L.O.I  4.4%

**PHYSICAL ANALYSIS:**

- Bentonite is composed of billions and billions of very small particles which readily delaminate in slurry
- Color  off white
- % Solids in Slurry  7%
- Non-Colloids  less than 1% dry weight
- pH  8.5 - 9.5
- Cationic Exchange (meq/100 gm)  75 - 90
- Particle Thickness  1.2 nanometer
- Surface area, Total  800 m²/gr.

**ADVANTAGES:**

- Increased paper uniformity and dry strength
- Simple, single addition rather than balancing multiple additions
- Linearly scaleable performance
- Compatible current papermaking techniques
- Reduces or eliminates high priced polymers

**PACKING:**  Bulk tanker trucks and RR cars or Totes

**ORIGIN:**  USA