

## SLURRY BENTONITE, P-TYPE

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	
SiO <sub>2</sub>	60.3%
Al <sub>2</sub> O <sub>3</sub>	19.3%
Na <sub>2</sub> O	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 m <sup>2</sup> /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

**ORIGIN:** INDIA

**Admin office:** 110 A Block City Center, Nr Idgah Circle Asarwa Bridge, Asarwa, Ahmedabad Gujarat 380 016 **INDIA**

**Plant:** Plot No. 410 Phase II, Vatva G. I. D. C. Industrial Estate, Vatva, Ahmedabad Gujarat 382 445 **INDIA**

**E:** [inquiry@gmcilttd.com](mailto:inquiry@gmcilttd.com) **W:** [www.gmcilttd.com](http://www.gmcilttd.com) **T:** +91 79905 25617 **F:** +91 79848 07644

Certificate of Incorporation: U24290GJ2019PTC108256 GST NO.: 24AAHCG8288L1ZY

**GLOBAL METRO CHEM INDUSTRIES**