

**TECHNICAL SHEET****BENTO - PA****1. IDENTIFICATION**

Product Name : BENTO-PA  
Provider : MINERAL PRODUCT SARL - FABRICANT  
Cité al khattabi rue 21 n°9 NADOR - MAROC  
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**2. COMPOSITION :**

BENTO-PA is a high performance activated bentonite which allows Making, by dispersion in water, suspensions having particular characteristics, such as viscosity, stiffness, thixotropy, clogging power, water retention.

**3. GENERAL CHARACTERISTICS:**

Aspect : White powder - yellowish brown depending on the deposits.  
% montmorillonite : 80 – 85 %  
Water content % : 12 – 14 maximum  
Refusal to sieve of 75µm % : 0 - 1 maximum  
Swelling ml/2g : 22 minimum (test CTIF, recommandation 403)  
Apparent density g/cm<sup>3</sup> : 0.55 – 0.65  
PH gel at 5 % : 10 -12  
Mineral Ions : Low grade.  
325mesh By particles :  $\geq 95\%$

**CHIMICAL COMPOSITION %W/W:**

Al <sub>2</sub> O <sub>3</sub>	.....	11,37
SiO <sub>2</sub>	.....	64,04
CaO	.....	1.21
MgO	.....	2.50
K <sub>2</sub> O	.....	0.38
Na <sub>2</sub> O	.....	1.08
Fe <sub>2</sub> O <sub>3</sub>	.....	1.99
P <sub>2</sub> O <sub>5</sub>	.....	0.05
TiO <sub>2</sub>	.....	0.19
Fire loss at 1000 °C	.....	16.61%

#### **4. VISCOSIMETRIC AND FILTRATION CHARACTERISTICS:**

. The values presented below are indicative. They are obtained on a suspension with normal water untreated, dispersed 3 mn in the mixer RAYNERI.

	Values obtained 1h after manufacture		Values obtained 24h after manufacture	
	Visco. Marsh API (s) (*)	Filtrat ISO 13500 (**)	Visco. Marsh API (s)(*)	Filtrat ISO 13500 (**)
water (ml) + Bentonite (g)				
1000+60	35 - 45	< ou = 20 ml	45 - 48	< ou = 20 ml

(\*) Flow time of 946 ml

(\*\*) The filtrate is equal to 2 times the volume collected between 7.5 and 30 minutes  
Density of the sludge is in the range of 1.030 to 1.045 g / cm<sup>3</sup>.

#### **5. PACKAGING :**

- Bags (25 kg, paper)
- Big Bags of 1000 kg or 1200 kg
- In bulk

#### **6. USE :**

Produced as an additive in paper industry.

#### **7. STORAGE STABILITY:**

Store the product away from moisture in the original closed packaging.

It can result from prolonged storage under poor conditions a reduced rheological performance and filtration of the product.

**The above statements are based on the present state of our knowledge.**

**Mineral Product company** – Siege: Rue moulayabdelaziz N°9 Nador – Maroc  
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