

**MINERAL PRODUCT SARL NADOR – MAROC****TECHNICAL SHEET**  
**BENTO-OM/GC****1. IDENTIFICATION**

Product Name : BENTO-OM/GC  
 Provider : MINERAL PRODUCT SARL - FABRICANT  
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**2. COMPOSITION :**

BENTO - OM / GC 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.

(\*) About 16 m<sup>3</sup> of sludge per tonne of bentonite for a Marsh viscosity of 35 - 45s, this quantity may vary slightly depending on the quality of the water.

**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/g : 11 minimum (test CTIF, recommandation 403)  
 Apparent density g/cm<sup>3</sup> : 0.55 – 0.65  
 PH gel at 5 % : 9 – 11  
 Mineral Ions : Low grade.  
 325mesh By particles :  $\geq$  95%

**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 :**

Product for drilling industry ; civil engineering in general and ceramic 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.**