

Technical Data Sheet

Product: Pallet-Maker™

General Description: Pallet-Maker™ is chemically treated high sodium Bentonite specially mined and processed to achieve the optimum binding capacity of Iron ore fines.

Product Features:

- It supplies good binding force to pallet due to its greater capacity to absorb water.
- High swelling capacity.

Technical Specification:

Enslin Value	650-700 min
PWA	650-700 min
Liquid Limit %	500-550 min
Free Swelling Volume (ml.)	26-30 min
Moisture % (by Wt.)	12-13
pH Value	9-11
Methylene Blue Adsorption Value mg/gm.	380

Dry Screen Analysis:

100 Mesh Passing through	98%-99%
200 Mesh Passing through	82%-85%
300 Mesh Passing through	75%-78%

Chemical Analysis:-

Silica as (SiO ₂)	44% - 55%
Alumina as (Al ₂ O ₃)	18% - 20%
Iron as (Fe ₂ O ₃)	4% - 12%
Calcium as (CaO)	2% - 5%
Magnesium as (MgO)	0.5% - 1%
Sodium as (Na ₂ O)	0.5% - 3%
Potassium as (K ₂ O)	0.03% - 0.3%

Partical Size Analysis:-

100 Mesh Passing through	98%-99%
200 Mesh Passing through	82%-85%
300 Mesh Passing through	75%-78%

Note:

The chemical composition of the Bentonite to be determined on indicative basis since the chemistry varies from one mining site to other .The technical specifications as specified above will however have no variation.

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