

# Technical Data Sheet

**Product Name:** Pellet-Maker™

**General Description:** For Pelletizing of iron ore fines, our product is mechanically processed and treated with soda ash to achieve very high swelling capacity which results in excellent binding of iron ore fines

Use of our product results in immediate improvement of Drop number on lower addition of 1.2%

The yield will increase offering better TFe percentage and increased profits for the user

**Product Features:**

- Provides excellent green and dry compressive strength with good binding force
- High swelling capacity
- Higher Drop number
- Finer mesh resulting larger surface area
- Low Silica percentage
- High Montmorillonite value

**Technical Specification: -**

Free Swelling Volume ( ASTM D5890 )	35 ml
PWA ( 2 hours )	650 min
Moisture % (by Wt.)	12% max
pH ( 3% suspension )	9-11
Methylene Blue Adsorption Value(mg/gm) VDG	380 min

**Chemical Composition**

*(average production values)*

Silica as (SiO <sub>2</sub> )	46.49%
Alumina as (Al <sub>2</sub> O <sub>3</sub> )	12.68%
Iron as (Fe <sub>2</sub> O <sub>3</sub> )	17.1%
Calcium as (CaO)	3.35%
Magnesium as (MgO)	2.22%
Sodium as (Na <sub>2</sub> O)	2.83%
Potassium as (K <sub>2</sub> O)	0.18%

## **Particle Size Analysis: -**

200 Mesh Passing through	90%
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### **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 specification as specified above will however have no variation.*



*[ Star Export House accreditation by Govt. of India ]*

*ISO 9001 : 2015 Quality System*

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*Bentonite Processing plant :*

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*Kutch – Gujarat , India*

Only in-house production & process:

**Bentonite | Drilling Polymer & Cellulose | Drilling Foam | Bentonite Pellets| Super Absorbent Clay**