

EXPOCOR

EXPOCOR PRIVATE LIMITED



MANUFACTURER,
SUPPLIER & EXPORTER OF

BENTONITE

+91 88750 13764 | www.expocor.in | inquiry@expocor.in



BENTOFFOUND is selective high quality and high swelling sodium-based bentonite with high purity and high Thermal Stability. BENTOFFOUND is sodium based activated bentonite designed to meet the requirements of modern foundry set up especially high-pressure mouldings lines and deep-drawn castings. BENTOFFOUND imparts Low Specific Burn Out Ratio in mouldings sand due to its High Purity, Thermal Durability and high thermal stability than Conventional Bentonite.

Application

- FOUNDRY

Important Features

- Largest surface area
- Fast bonding development
- High swelling value
- High wet tensile
- Fantastic thermal stability

Benefits

- Prime swelling and bonding properties
- High milling efficient
- Best surface finish of casting
- Low generation of dead clay
- Sand contrail and consistence quality
- Green strength properties



GENERAL SPECIFICATIONS FOR GENERAL GRADES OF BENTONITE

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FOUNDRY – 30 (FOUNDRY GRADE – BENTONITE)

PHYSICAL PROPERTIES	SPECIFICATION
Particle Size Finer than 200 mesh	80 – 85 % min
Moisture at 105 – 110° C	10.0 to 13.0 max
Swelling Capacity (2 gm /100 cc)	30 ml min
Gelling Time (10%)	Instantaneous
pH (2% suspension)	9.0 to 10.5
Methylene Blue value	350 mg/gm min
Montmorillonite	70 % minimum
Gel Formation Index	60 minimum
Bulk Density	1.00 to 1.10 gm/cc
Liquid Limit	550 - 650 %
GCS Remaining at 550 C for 30 mins.	40 - 50 %

CHEMICAL COMPOSITION (FOUNDRY GRADE – BENTONITE)

SiO ₂	47 ± 2 %
Al ₂ O ₃	14 – 16 %
Fe ₂ O ₃	12 – 15 %
CaO	1 - 1.5 %
Na ₂ CO ₃	2.6 – 2.8 %
TiO ₂	1.0 – 2.0 %
K ₂ O	0.06 – 0.2 %
MgO	1.5 – 2.0 %
Loss on Ignition	12 – 12.5 %

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Thank You!