

Econobond®

Product Description

Econobond® is a blend of high quality activated calcium bentonites ideally suited for use with high pressure automated moulding lines producing grey and ductile iron castings.

Features

- Low water demand
- Good thermal durability
- Good shakeout properties

Benefits

- Lower carbonaceous product needed
- Low bentonite consumption
- Suitable to use on all types of moulding equipment

Performance Characteristics

General Data	Value
Montmorillonite	80 %
Soluble Ca & Mg	15 Meq/100g
Free Swell	22(2g/100mls)
Calcite	3.5 % max

Moulding Properties	Value
7% clay 40 % Compactability	
GCS	110 kn/m ²
Wet tensile strength	0.28 n/cm ²
DCS	215 kn/m ²

Thermal Durability	Value
Crystalline moisture retained 650 °C	35 %
Average property retention 600 °C	65 %

Chemical Composition

Element	Value
SiO ₂	60-65 %
Al ₂ O ₃	19-21 %
Fe ₂ O ₃ ,FeO	3,5-5 %
MgO	2-2,5 %
CaO	2-2,3 %
Na ₂ O	1,6-2,0 %
K ₂ O	1,2-1,8 %

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