

Maxibond®

Product Description

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

Features

- Excellent thermal stability
- High thermal durability
- High compression and tensile strengths

Benefits

- Reduced casting defects
- Lower bentonite consumption
- Operational cost savings

Performance Characteristics

General Data	Value
Montmorillonite	82 %
Soluble Ca & Mg	15 Meq/100g
Free Swell	25 (2g/100mls)
Calcite	3.5 % max

Moulding Properties	Value
7% clay 40% compactability	
GCS	110 Kn/m ²
Wet tensile strength	0.30 n/cm ²
DCS	250 kn/m ²

Thermal Durability	Value
Crystalline moisture retained 650 °C	45 %
Average property retention 600 °C	67 %

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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