



科力矿业（大连）有限公司

Clay Industrial Minerals Co., Ltd. in Dalian

## HIGH-QUALITY BENTONITE FOR FOUNDRY USE **HI-BOND+**

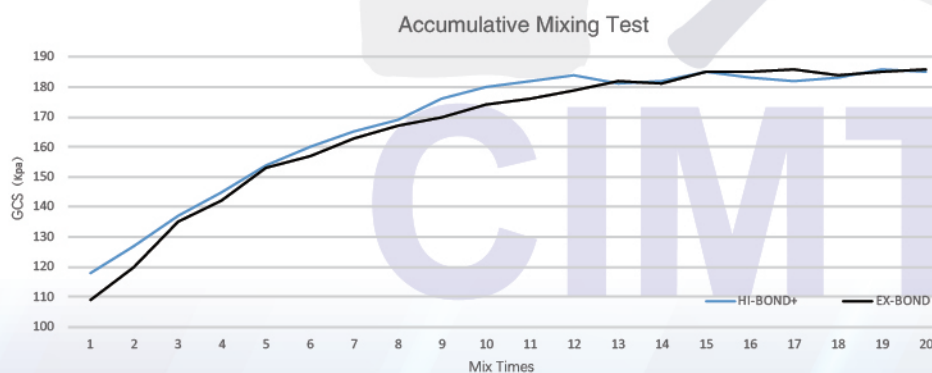
HI-BOND+ is used as binder of green sand molding, which is suitable for various molding methods.

### 【 Features and Benefits 】

- Exhibit high Green Compression Strength & Wet Tensile Strength
- Exhibit good durability.
- Exhibit good flowability and molding performance.
- Exhibit good collapsibility and permeability.

### 【 Physical Properties 】

| Item                                 | Standard Value | Test Value |
|--------------------------------------|----------------|------------|
| Moisture (%)                         | 12.0 max       | 8          |
| Methylene Blue ( mmol/100g )         | 100 min        | 102        |
| Swell Value (ml/2g)                  | 18 min         | 20         |
| Particle Size (% / passing 200 mesh) | 80.0 min       | 82.9       |
| Bulk Density(g/cm <sup>3</sup> )     | 0.55 ~ 0.85    | 0.69       |



MB residual rate ( % )

| Temp     | 500℃ | 600℃ |
|----------|------|------|
| Product  |      |      |
| HI-30E   | 93   | 75   |
| HI-BOND+ | 93   | 71   |
| EX-50    | 93   | 73   |
| S-BOND   | 93   | 57   |

### 【 Package 】

- 25kg Paper bag
- 1,000kg or 1,100kg Jumbo bag

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