



## Aluminum Boron alloy AlB3

### 1. Properties & Application:

(1). Boron content: 2.5~3.5%. Used for adding boron element to Al alloy or grain refining of pure aluminum or aluminum alloy in the course of smelting.

(2). A lot of dispersed AlB<sub>2</sub> corpuscles with high melting point are produced in the process as foreign crystalline cores when these corpuscles coagulate, notably refining the crystalline configuration of the cast ingots, improving the mechanic, electronic and working properties of the aluminum cast.

### 2. Operation Technology Suggestion:

(1). Temperature: 700~760°C

(2). Dosage: 0.1~0.5% of the total metal weight.

(3). Method: Skimming off the dross and put AlB<sub>3</sub> into the molten Al, stirring molten to homogeneous, keep the molten Al static for 5~10 minutes.

### 3. Package and Storage:

Appearance: white metal nuggets 250g/pc or waffle ingot 7.5kg/pc.

Keep dry and ventilated.

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