



AlTi5B1 bar

1. Properties Features:

(1). A lot of dispersed TiB₂, TiAl₃, AlB₂ and TiC corpuscles with high melting point are produced in the molten Aluminum as foreign crystalline cores when these corpuscles coagulate, notably refining the crystalline configuration of the cast ingots, improving the general mechanic properties of the aluminum cast.

(2). Less wastage, improve the quality of the surface, and raise the uniformity degree of chromatic oxidation and brightness.

2. Application:

Apply to the grain-refining of pure aluminum or aluminum alloys in the course of smelting.

3. Operation Technology Suggestion:

(1). Temperature: 720~760℃

(2). Dosage: aluminum: 0.8~1.5kg /T, aluminum section: 0.5~1.0kg/T, aluminum alloys: 1~2kg/T

(3). Valid period for grain-refining: 6~8 hours.

(4). Operation method: Skim off the dross, put AlTi5B into molten aluminum, stirring the melt to homogenate, keep the molten aluminum static for 5~10 minutes.

(5). Better use it after refining or before the last time of refining.

4. Package and Storage:

Appearance: white metal nuggets. 250g-500g/each bar

Storage: Keep dry and ventilated

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