

湖南汉润材料发展有限公司
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AlTi5B



Made from primary aluminum, AlTi5B1 meets the following requirement:

Chemical Composition

Composition	Ti	B	Fe	Si	V	Others
Product						
AlTi5B	4.5-5.5	0.8-1.2	<0.2	<0.35	<0.35	0.03

Physical Specification

All products are checked by eddy flow while producing,each coil complies with:

Size & Quantity	180kg ±10kg
Inner diameter (mm)	360±25
Outter diameter (mm)	710
Breadth(mm)	280±25
Weight (kg)	180±20

Microphenomenon Specification

If the products have pinhole,and/or the polymer of Ti Si & AlCr,we'll discard them.

Microphenomenon	The highest	Average(above90%)
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TiB2	5μ	2μ
TiAl3	200μ	150μ
Al2O3	200μ	100μ

Total length of vertical section of oxide: <1000μ/cm²>

Grain Refining

AlTi5B1 must be in accordance with the following extreme limit:

Averagegrain (μ)	Thesumsettle	The highest	Time
AlTi5B1	250μ	400μ	2min.
AlTi3B1	300μ	450μ	2min.
AlTi5B0.6	350μ	500μ	2min.
AlTi5B0.2	450μ	600μ	2min.

Diameter of AlTi5B1 coil is 9.5mm, each meter weighs around 192g,1kg/MT of 5% Ti 1%B just equals to 0.005%Ti.

AvailabilityThe grain-refiner of all kinds of aluminium and aluminium alloys.

Application rate:0.08-0.30%

Directions for use

Melting the AlTi5B tablet thoroughly in the molten aluminium and aluminium,add the required quantity of tablet before refine and degas,AlTi5B coils can be added directly in the launder by a feedcoil machine ,the speed of adding is to be determined by the chart above.

Storage: to be stored in a dry warehouse.