AlTiB

Product data sheet
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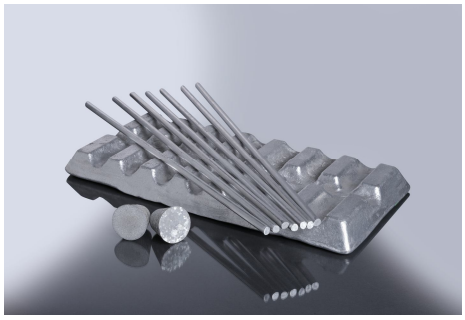
ALUMINIUM TITANIUM 5% BORON 1% in cutted rod or coil form



Grain refiner for aluminium alloys

Reduced Hot tearing and Hot cracking during solidification

Improves feeding characteristics of the alloy

Reduced risk of porosities

Description

Aluminium Titanium 5% Boron 1% is a solid metal rod available in cutted rod or in coils and used in aluminium cast-houses foundries or billets casting plants to aid nucleation and grain refining in aluminium alloys structure.
The alloy must be added in the liquid metal at temperature of 680 - 780°C. The degassing treatment of the alloy will help the distribution of Titanium and Boron which will act as crystallisation nuclei and provide homogeneous metal microstructure.

Amount to use

For extrusion or wrought alloy consult our technical dept. For sand, gravity and low pressure casting alloys follow the table indication.

Foundry alloy	Kg per 1000 kg
Al Si 5 Cu 3	3 - 5 kg
Al Si 7 Mg	2 - 4 kg
Al Si 12	1 kg
Al Mg 5	3 - 5 kg
Al Cu 4	3 - 5 kg

Method of use

Add the alloy only before degassing treatment and when metal temperature is 680-780°C. Consider initial value of grain refiner present in the ingot: primary alloys already contain TiB while secondary ingot should be treated with Ti + B. Consideration on dosage will also depend on type of casting technique, casting sections and cooling behaviour.

Important notice

Before addition, make sure that metal is dry and free from any moisture

Packaging and storage

Diameter: 9,5 mm
Sticks weight: 100 grams
Package: 15 kg cardboard boxes.
Coils are kg 180 each on pallets.

A. CESANA S.r.l.
Via F. Turati, 23 - 20016 Pero (Milano) ITALIA
Telefono: +39 02.35.34.941 - Fax: +39 02.33.90.714
info@acesana.com - www.acesana.com