

AlTi5B

“Grain Refiner for Aluminium Alloys”

Features

High melting point particles formed by AlTi5B, such as TiB_2 , $TiAl_3$ and AlB_2 dissolve into the matrix homogenously and improves mechanical, electronic and machining properties of the alloy.

Improves the surface quality and brightness of the final product, decreases the quantity of defected products.

Applications

Used for the modification of microstructure and lowers grain sizes of aluminium and its alloys.

Method of Use

- Temperature of the melt: 720-760°C.
- Quantity of usage:
Billet casting: 0.5 -2 kg/ton.
Aluminium alloys: 1-2 kg/ton.
- Application: After skimming off the dross, AlTi5B is either mixed into the bath or continuously fed in the launder.

Packaging

~ 200 kg coils, 500 mm rods or in the form of waffles.



AlSr15

“Aluminium Modifier Master Alloys”



Features

Contains 13-17 % strontium. Refines the eutectic silicon structure and improves mechanical properties. Product is effective and long-lasting modification agent.

Different grades of strontium are available upon request.

Applications

Used for the modification of Al-Si alloys at and below the eutectic point.

Method of Use

- Temperature of the melt: 720-760°C.
- Quantity of usage: Economic quantity of usage should be determined by trials. The suggested quantity is 0.15-0.4 % of the molten aluminium.
- Application: AlSr15 is added into the bath. After the product is melt, molten metal is stirred well. When a homogenous mixture is ensured, the melt is left for 10-20 minutes.

Packaging

750-1000 mm rods or in the form of waffles.

The values given herein are typical average values obtained in accordance with standard test methods and subject to normal manufacturing variations. They are supplied as technical data and may change without notice. Contact our company to obtain detailed information.