

ECO - ALSR 10% MASTER ALLOY

PRODUCT DATA SHEET

General Description :

ECO – ALSR is an excellent modifying agent for aluminium and its alloys. It is used to refine the grains of silicon in the alloy, improve the mechanical capacity of the alloy and provide stability in remelting.

The purpose of modifying eutectic and hypoeutectic Al-Si alloys is to change the circular form of silicon to spheroids or globular form results in improved mechanical properties.

Advantages :

- Improvement in mechanical and metallurgical properties
- Anti-decay properties
- Stability in remelting
- Easy to use with no pollution problems
- No storage and handling problems
- Excellent tensile & ductile strength due to uniform distribution of silicon grains
- No impurity added into the melt

Instructions for use :

1. Prepare the required alloy composition. Follow the normal fluxing and cleaning procedure as recommended.
2. Degas the melt with tablet ECO - degaser or by mobile degassing unit and dross off by using small quantity of ECO - coverflux.
3. After the degassing operation, add ECO-Alti5B1 grain refiner at an application rate of 0.20 to 0.40 by weight at temperature between 700-750 Deg C.
4. Add ECO - ALSR at an application rate of 0.20 – 0.40 at a temperature between 700 to 750 deg C.
5. Rabble the melt to ensure homogeneity, wait for 5 to 10 min. then use.

Specifications:

ECO - STRONTIUM

ELEMENT	SR	SI	FE	V	AL
STANDARD CONTENT	9-11	0.2 MAX	0.2 MAX	0.1 MAX	BALANCE MIN. 99.7% AL.