

PRODUCT DATA SHEET

CERALOY –Zr 10

Product :- Ceraloy –Zr 10 is Aluminium Zirconium Master Alloy containing 10 % Zirconium. This alloy is used to add Zirconium metal in molten aluminium.

Purpose :- Ceraloy Zr 10 as Aluminium Zirconium Master Alloy is used to add Zirconium in molten Aluminium alloys. This Zirconium addition is done to form intermetallic precipitate that inhibits recovery and recrystallization. In Aluminium-zinc-magnesium family, use zirconium additions to increase the recrystallization temperature and to control the grain structure in wrought products.

Advantages :- As Ceraloy-Zr 10 is supplied in Aluminium Zirconium form, the dissolution of Zirconium is easily achieved than by adding Zirconium metal. About complete recovery of Zirconium is achieved from Ceraloy –Zr 10.

Application :- Melt the Aluminium metal. Add Ceraloy Zr 10 as desired for alloy composition at around 800 to 850°C. Follow the normal fluxing and cleaning procedure from Ceraflux range. Degas the melt at suitable temperature & clean with small amount of flux.

After all the process is completed, take the sample for checking the Zirconium content, if satisfactory start pouring immediately.

Size :- 2/5 kg Ingots.

Specifications :-

- a) % Zirconium - 10 ± 1
- b) % Impurities – 1.5 max
- c) % Aluminium – Reminder.

Packing :- 25 kg Gunny bag.

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