



**CERAFLUX**

An ISO 9001 Certified Company

**"The Only Indian Company Manufacturing  
Wide Range of Metallurgical Products "**

### **CERALOY-Mg**

#### **PRODUCT: -**

CERALOY Mg is an aluminium magnesium alloy. This alloy is used to add magnesium metal in molten aluminium or its alloy to produce LM series/ alloys.

#### **PURPOSE: -**

As CERALOY Mg is supplied in aluminium-magnesium alloy form, The dissolution of magnesium is easily achieved then by adding magnesium metal (which may also result in burning of Mg metal in case of pure Mg addition). Small additions of 0.25–0.5% Mg allow Al–Si alloys to be hardened by heat treatment, improving mechanical properties through the precipitation of Mg<sub>2</sub>Si in a finely dispersed form. Their proof stress can be almost doubled. Mg is used at levels of around 1% in high silicon piston alloys

#### **APPLICATION: -**

Melt the aluminium metal. Add CERALOY Mg as desired for alloy composition at around 750 to 780°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 Magnesium content, if satisfactory start pouring immediately.

<b>ALLOY</b>	<b>%RANGE</b>	<b>% OTHER</b>	<b>ALUMINUM</b>
<b>Mg-10</b>	<b>9.5-10.5</b>	<b>0.5% max</b>	<b>Balance</b>
<b>Mg-20</b>	<b>19.5-20.5</b>	<b>0.5% max</b>	<b>Balance</b>

#### **SIZE:-**

2/5 kg ingots.

#### **PACKING :-**

25 kg Plastic carboy

25 kg gunny bag.

NOTE:- Above information is true and accurate based on controlled laboratory testing. However user is responsible for determining suitability for application at their end. No guarantee is implied since the condition in actual use differs widely & beyond our control.

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