



CERAFLUX

An ISO 9001 Certified Company

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

CERALOY-Si (10/15/20/25/30/50)

PRODUCT :-

CERALOY -Si is an aluminum-silicon alloy. This alloy is used to add silicon metal in molten aluminum or its alloy to produce LM series alloys.

PURPOSE :-

CERALOY- Si as an aluminum-silicon alloy used to add silicon in molten aluminum alloys. Most casting alloys contain silicon as the major alloying element. Silicon forms a eutectic with aluminum at 11.7% Si. Silicon additions improve casting characteristics by improving fluidity, feeding and hot tear resistance.

APPLICATION:

Melt the aluminum metal. Add CERALOY Si as desired for alloy composition at around 700 to 750°C. Wait until the alloy is completely dissolved. Stir the melt to get the homogenous dissolution of silicon in the liquid aluminum metal. Degas the melt at suitable temperature & clean with small amount of flux.

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

ALLOY	%RANGE	% OTHER	ALUMINUM
Si-10	9.5-10.5	0.5% max	Balance
Si-10	14.5-15.5	0.5% max	Balance
Si-20	19.5-20.5	0.5% max	Balance
Si-25	24.5-25.5	0.5% max	Balance
Si-30	29.5-30.5	0.5% max	Balance
Si-50	48.5-52.0	0.5% max	Balance

SIZE:- 2/5 kg ingots.

PACKING:- 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.

CERAFLUX INDIA PVT. LTD.

F-59, MIDC, Gokul Shirgon, Kolhapur - 416234, India.

Email : info@ceraflux.com
export@ceraflux.com

Website : www.ceraflux.com

Call : 91-231-2671008/2672175.

Fax : 91-231-2671091.

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