

By Wildflower Research Labs, LLC



**Bamini** is a bailed aluminium / briquetted manganese & iron notch bar & ingots, available in the form of half cones, briquettes or ingots that can be used by the steel & foundry industry's demand for aluminium-killed steel.

### Composition

Element	Percentage
Aluminium	70 % Min
Manganese	20 % Max
Iron	10 % Max
Silicon	2 % Max
Magnesium	2 % Max
Carbon	0.5 % Max

### Benefits to Consumer

- Bamini gives +90% aluminium yield due to higher density (as compared to 60% yield from normal aluminium shots). So it replaces aluminium 1:1.
- Manganese is an alloy required in steel making.
- Iron increases the steel yield.
- Better / Finer grain structure & more homogeneous slag.

Consumer gets an additional **17% Manganese and 7% Iron**, which comes free with our product for the customer's advantage.

### Enabling Greener Steelmaking

**Bamini** also supports the transition to greener steelmaking as our process uses aluminium scrap & Ferro-Manganese fines (by product).

Bamini promotes greener steelmaking in the following ways -

- Our process requires no aluminium melting, reducing the energy consumption.
- Our manufacturing process generates no dross, reducing hazardous waste.
- We use fines instead of lumps, ensuring better dispersion or recovery, which means lesser resources are used.
- Our product reduces the Mn addition for steelmaking as our alloy already contains manganese.

#### Note:-

- Dimension can be tailored as per customer needs.
- Proprietary technology: **Bamini is a patented product of Raj Calciners Pvt. Ltd. (RCPL).**
- Wildflower Research Labs is the exclusive licensee authorised to market and supply Bamini.
- HSN Code: 7602 0010

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