



## Ingot Hot Top Boards

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**DESCRIPTION:** Hot Top for Ingot Molds are manufactured exactly to the shape and size of Ingot Molds. The dimensions and thickness of the boards are designed to the requirements of each steel plant's ingots, depending on shape and requirements to meet strict dimensional tolerances and individualized applications.

**USES INCLUDE:** Ingot boards can be in both insulating and exothermic qualities and include the following advantages: good insulation character, easy application, no preheating requirements, easy removal, and highest resistance against slags.

### CHEMICAL ANALYSIS: (TYPICAL CHEMICAL ANALYSIS)

(Approximate %)

	<b>Exothermic Board</b>	<b>Insulating Board</b>
Al <sub>2</sub> O <sub>3</sub>	42.0% ± 1.0	2.0% maximum
SiO <sub>2</sub>	25% ± 2.0	80% minimum
Al (Metallic)	Yes	0.0%

### TYPICAL AS RECEIVED PROPERTIES:

	<b>Exothermic Board</b>	<b>Insulating Board</b>
Bulk Density (g/cm <sup>3</sup> ):	0.50 – 1.50	0.65 – 0.85
Ignition Time (sec):	240 – 280	
L.O.I (%):	13.0 ± 0.50	11.0 – 15.0 @ 900°C, 1.5 hr
Max Temperature (°C):	1280 – 1320	
MOR (minutes):	2.00	

The values reported above are average values derived from production data encompassing many different sizes and shapes. Actual data will vary to a small degree naturally and as a function of size and shape. This form is not intended to be used for purposes of specification; it is informational only.

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