

CHEMISTRY AND PHYSICAL PROPERTIES

HOT-BRIQUETTED IRON (HBI)

CHEMISTRY

Total Fe	91.1%
Metallic Fe	87.6%
Metallization	96.2%
FeO	4.6%
Carbon	2.15%
Sulphur	0.003%
Phosphorus	0.020%
Copper	0.001%
SiO ₂	2.46%
Al ₂ O ₃	0.24%
CaO	1.17%
MgO	0.36%

PHYSICAL PROPERTIES

Bulk Density	168.6 lb/ft ³
Briquette Volume	≈6.4 in ³
Briquette Size	≈4.13" x 1.91" x 1.26"

Questions and Inquiries

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About Cleveland-Cliffs Inc.

Cleveland-Cliffs is the largest flat-rolled steel producer in North America. Founded in 1847 as a mine operator, Cliffs also is the largest manufacturer of iron ore pellets in North America. The Company is vertically integrated from mined raw materials and direct reduced iron to primary steelmaking and downstream finishing, stamping, tooling, and tubing. The Company serves a diverse range of markets due to its comprehensive offering of flat-rolled steel products and is the largest supplier of steel to the automotive industry in North America. Headquartered in Cleveland, Ohio, Cleveland-Cliffs employs approximately 25,000 people across its mining, steel and downstream manufacturing operations in the United States and Canada. For more information, visit www.clevelandcliffs.com.

This brochure is for the purpose of information only. Cleveland-Cliffs reserves the right to change its product range at any time without prior notice.