

## UCAR® Refractory Systems

### NMA™ HotPressed™ Carbon Brick

Proven carbon bricks offering superior performance in demanding blast furnace and submerged arc furnace refractory linings.

Features:

- high thermal conductivity
- low permeability
- high density
- high cold crushing strength
- easy to handle
- high resistance to chemical attack
- proven HotPressed™ characteristics

KEY PROPERTIES	Typical Average
Thermal Conductivity (W/mK) (WG)	18
Permeability (millidarcys) (WG)	10
Bulk Density (g/cm <sup>3</sup> )	1.61
Crushing Strength (kPa) (AG)	35000
Ash (%)	12

### NMD™ HotPressed™ Semigraphite Brick

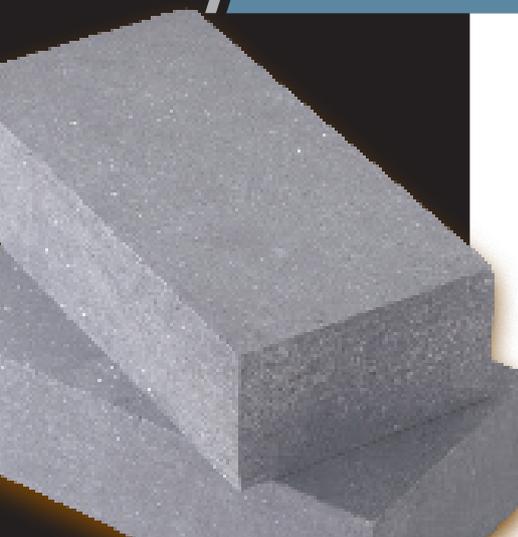
Proven semigraphite bricks offering superior performance in demanding blast furnace and submerged arc furnace refractory linings.

Features:

- very high thermal conductivity
- very low permeability
- high density
- very low ash content
- easy to handle
- high resistance to chemical attack
- proven HotPressed™ characteristics

KEY PROPERTIES	Typical Average
Thermal Conductivity (W/mK) (WG)	70
Permeability (millidarcys) (WG)	5
Bulk Density (g/cm <sup>3</sup> )	1.82
Crushing Strength (kPa) (AG)	28000
Ash (%)	9

Properties listed are typical and cannot be used as accept/reject specifications.



The proprietary HotPressed™ method of manufacturing produces carbon & semigraphite refractories with low permeability, superior resistance to chemical attack & outstanding thermal conductivity. These HotPressed™ refractories have an unsurpassed track record of reliable service in metallurgical processes around the world. The automated manufacturing process ensures very high consistency in important properties adding to the excellence in performance.

