# Technical Data Sheet

Hot Briquetted Iron (HBI) · CAS 65996-67-0 · Metallisation 91%

## TECHNICAL DATA SHEET (DRAFT) - Hot Briquetted Iron (HBI)

Product Grade: Premium Export Grade
CAS Number: 65996-67-0

### 1. Chemical Properties

| Element | Typical Value |
| --- | --- |
| Total Iron (Fe) | 91.0 - 93.0% |
| Metallic Iron (Fe0) | 83.0 - 85.0% |
| Metallization | 91% Min |
| Carbon (C) | 1.0 - 2.5% |
| Phosphorus (P) | 0.03% Max |
| Sulfur (S) | 0.01% Max |
| Gangue (SiO2 + Al2O3) | 4.0 - 6.0% |

### 2. Physical Properties

| Property | Specification |
| --- | --- |
| Apparent Density | > 5.0 g/cm³ |
| Bulk Density | 2.5 - 2.8 t/m³ |
| Briquette Size | Approx. 110 x 50 x 30 mm |
| Fines (< 6.35 mm) | < 5% at loading |
| Tumble Index | > 90% (+6.3 mm) |

### 3. Application Notes

Moonarc HBI is specifically engineered for EAF steelmaking. The high density ensures the material bypasses the slag layer, ensuring high yield and lower electrode consumption.

Note: Technical specifications are typical and subject to batch analysis. Refer to Certificate of Analysis (CoA) for specific shipment data.


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# Contact The Moonarc Group

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