

Product Data Sheet

Pig Iron — Specialty Grades

Description

Description	Specialty grade pig iron is produced to custom chemistry within a defined range for high-purity pig iron (HPPI) and demanding applications. With low manganese and low phosphorus basic chemistry, it meets Tier 1 automotive OEM standards.
Applications	Used in high-purity pig iron (HPPI) applications and Tier 1 automotive OEM castings requiring custom, tightly controlled chemistry.
Used In	HPPI, low Mn / low P basic, Tier 1 automotive
Physical Form	All grades are commercially available from Indian blast furnace plants. Physical form: ingots / pigs of approximately 5–8 kg each, standard Indian pig size approximately 140mm × 140mm × 70mm.

Key Benefits

- Custom chemistry within a defined range
- High-purity pig iron (HPPI) capability
- Low manganese, low phosphorus basic chemistry
- Meets Tier 1 automotive OEM standards
- Tailored to buyer specification

Chemical Analysis & Physical Data

Target Chemistry

Element	Target Chemistry
Chemistry	Custom — within agreed range
Type	HPPI / Low Mn / Low P Basic
Manganese (Mn)	Low (to specification)
Phosphorus (P)	Low (to specification)
Standard	Tier 1 automotive OEM (where specified)

Physical Properties

Property	Specification
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Physical Form	Ingots / pigs (approx. 5–8 kg each)
Pig Size	Approx. 140 × 140 × 70 mm
Process Suitability	HPPI, low Mn / low P basic
Advantage	Meets Tier 1 automotive OEM standards
Origin	India (blast furnace)

* Custom chemistry agreed per order. Full heat-wise COA and OEM compliance documentation available upon request.

Packaging

- Loose ingots / pigs in bulk (approx. 5–8 kg each)
- Standard Indian pig size approx. 140mm × 140mm × 70mm
- Bundled / strapped or loose for container loading
- Custom packaging available on request.

Storage & Handling

- Store in a dry, covered area to minimise surface rusting
- Stack on level ground; avoid handling injuries from heavy ingots
- Keep dry to preserve surface condition
- Use appropriate lifting equipment and PPE when handling

Disclaimer: The information provided in this document is based on our current knowledge and is intended as a general guide. Chemistry varies by heat / lot; figures are target ranges. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own testing for specific applications.