

Iron Ore Pellet Specifications

0.85 MTPA Grate Kiln pellet plant | 1.35 MTPA iron ore beneficiation plant | Phuljhar, Keonjhar district, Odisha, India
Beneficiation upgrades the ore to 64% Fe, enabling production of the 65% Fe high grade pellet.

Particulars	EXPORT		DOMESTIC
	High Grade Pellet 65% Fe minimum	Product Type 2 63% Fe, rejection below 62%	Domestic Pellet 63% Fe minimum
Chemical composition (on dry basis), %			
Fe	65 min.	63 rejection < 62%	63 min.
SiO2	2.75 max.	4.6 max.	4.6 max.
Al2O3	2.25 max.	4.0 max.	3.5 max.
Phosphorus	0.05 max.	0.055 max.	0.055 max.
Sulphur	0.01 max.	0.02 max.	0.02 max.
CaO + MgO	1 max.	1 max.	1 max.
Moisture content	4% max.	4% max.	4% max.
Physical properties			
Tumbler Index	94% min.	94% min.	94% min.
Abrasion Index	5% max.	5% max.	5% max.
Cold Crushing Strength (avg.)	230 kg/p min.	220 kg/p min.	220 kg/p min.
5-18 mm	92% min.	92% min.	92% min.
-5 mm	5% max.	5% max.	5% max.
+18 mm	3% max.	3% max.	3% max.
Porosity	20% min.	18% min.	18% min.

Notes

Fe, SiO2, Al2O3, phosphorus, sulphur and CaO + MgO are percentages on a dry basis; moisture content is on an as-received basis.
Size fractions: 5-18 mm is the product fraction; -5 mm and +18 mm are the permitted undersize and oversize.
CCS: cold crushing strength, average, in kg per pellet.
Values are the Company's standard specifications; contractual specifications may be agreed for individual shipments.

Sales & Marketing

Mr. Dilip Pany | Mobile +91 83277 16189 | dilip@ardentsteel.com | ardentsales@ardentsteel.com
Corporate office: Plot No. 208, Jamuhota New Colony, Near NH-6, Keonjhar, Odisha, India. PIN 758001 | Phone +91 6766 258382
Works: At/Po Phuljhar, PS Nayakote, Via Suakati, Dist. Keonjhar, Odisha, India. PIN 758085 | www.ardentsteel.com

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