

I2 INDUSTRIAL WOOD PELLET

Specification Sheet

Premium Industrial Grade Wood Pellet

Suitable for biomass power plants, industrial boilers, cement plants, and renewable energy applications.

Technical Specifications

Parameter	Unit	Result
Gross Calorific Value (GAR)	kcal/kg	4,386
Net Calorific Value	kcal/kg	4,052
Moisture (Total)	%	6.0
Ash Content	%	0.6
Volatile Matter	%	79.3
Fixed Carbon	%	14.1
Total Sulfur	%	0.03
Bulk Density	kg/m ³	645
Diameter & Length	mm	8.2 × 52.9
Fines (<2 mm)	%	0.4

Chemical Composition (Dry Basis)

Parameter	Unit	Result
Carbon (C)	%	49.3
Hydrogen (H)	%	6.12
Nitrogen (N)	%	0.13
Oxygen (O)	%	43.82
Sodium (Na)	ppm	62
Potassium (K)	ppm	691
Iron (Fe)	ppm	46

Key Advantages

- Low ash content for cleaner combustion
- Stable calorific value for industrial efficiency
- Low sulfur emission
- High bulk density for optimized logistics

- Suitable for co-firing and biomass energy projects

Applications

- Biomass Power Plant
- Industrial Boiler
- Cement Industry
- Steam Generation
- Renewable Energy Projects

Quality Assurance

Tested according to ISO standards by SGS laboratory.