

COAL SPECIFICATIONS

AUSTRALIAN COKING COAL

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	7,770
Ash Content	Air Dried (%)	9.5
Volatile Matter	Air Dried (%)	24.0
Sulphur Content	Air Dried (%)	0.45
Total Moisture	As Received (%)	10.0
Inherent Moisture	Air Dried (%)	1.0
Fixed Carbon	Air Dried (%)	65.5
Size of Coal	As Received (mm)	0-50
Hardgrove Grindability Index	Air dried	85
Maximum Fluidity	ddpm	3,000
Crucible Swelling Number	As Analysed	8

TANZANIAN THERMAL COAL 6,200 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	6,430
	As Received (kcal/kg)	6,300
Net Calorific Value	As Received (kcal/kg)	6,100 - 6,200
Ash Content	Air Dried (%)	17
Volatile Matter	Air Dried (%)	24.20
Sulphur Content	Air Dried (%)	1.0 – 1.1
Total Moisture	As Received (%)	2.4
Inherent Moisture	Air Dried (%)	1.6
Fixed Carbon	Air Dried (%)	By Difference
Size of Coal	As Received (mm)	0-50; 0-100

AUSTRALIAN THERMAL COAL 6,000 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	6,700
	As Received (kcal/kg)	6,250
Net Calorific Value	As Received (kcal/kg)	6,000
Ash Content	As Received (%)	13.0
Volatile Matter	As Received (%)	27.0 - 35.0
Sulphur Content	As Received (%)	0.6
Total Moisture	As Received (%)	10.0
Inherent Moisture	Air Dried (%)	2.5 - 3.0
Fixed Carbon	Air Dried (%)	By Difference
Size of Coal	As Received (mm)	0-50

AUSTRALIAN THERMAL COAL 5,500 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	6,300
	As Received (kcal/kg)	5,750
Net Calorific Value	As Received (kcal/kg)	5,500
Ash Content	Air Dried (%)	19.0
Volatile Matter	Air Dried (%)	30.0
Sulphur Content	Air Dried (%)	0.7
Total Moisture	As Received (%)	11.5
Inherent Moisture	Air Dried (%)	3.0
Fixed Carbon	Air Dried (%)	48.0
Size of Coal	As Received (mm)	0-50

AUSTRALIAN LOW VOL THERMAL COAL 5,500 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	5,980
	As Received (kcal/kg)	5,680
Net Calorific Value	As Received (kcal/kg)	5,500
Ash Content	Air Dried (%)	28.5
Volatile Matter	Air Dried (%)	18.5
Sulphur Content	Air Dried (%)	0.45
Total Moisture	As Received (%)	6.0
Inherent Moisture	Air Dried (%)	1.0
Fixed Carbon	Air Dried (%)	52.0
Size of Coal	As Received (mm)	0-50

AUSTRALIAN LOW VOL THERMAL COAL 5,300 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	5,800
	As Received (kcal/kg)	5,500
Net Calorific Value	As Received (kcal/kg)	5,300
Ash Content	Air Dried (%)	27.0
Volatile Matter	Air Dried (%)	19.5
Sulphur Content	Air Dried (%)	0.65
Total Moisture	As Received (%)	7.0
Inherent Moisture	Air Dried (%)	2.0
Fixed Carbon	Air Dried (%)	51.5
Size of Coal	As Received (mm)	0-50

AUSTRALIAN THERMAL COAL 5,100 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	5,782
	As Received (kcal/kg)	
Net Calorific Value	As Received (kcal/kg)	5,100
Ash Content	Air Dried (%)	27.0
Volatile Matter	Air Dried (%)	27.0
Sulphur Content	Air Dried (%)	0.5
Total Moisture	As Received (%)	10.0
Inherent Moisture	Air Dried (%)	2.5
Fixed Carbon	Air Dried (%)	43.5
Size of Coal	As Received (mm)	0-50

AUSTRALIAN THERMAL COAL 5,000 NAR

Item	Basis	Typical Content
Gross Calorific Value	Air Dried (kcal/kg)	5,750
	As Received (kcal/kg)	
Net Calorific Value	As Received (kcal/kg)	5,006
Ash Content	Air Dried (%)	25.0
Volatile Matter	Air Dried (%)	28.0
Sulphur Content	Air Dried (%)	0.6
Total Moisture	As Received (%)	11.5
Inherent Moisture	Air Dried (%)	3.0
Fixed Carbon	Air Dried (%)	44.0
Size of Coal	As Received (mm)	0-50