



Darby Industrial Ltd can offer the following product subject to prior sale

Code 7 - Oceania - Thermal Coal

Analysis / Property	Basis	Typical Range	Indicative Specification
Total Moisture	% ar	18.5 - 19.5	19.0 approx
Proximate Analysis			
Inherent Moisture	% ad	10.0 - 11.0	10.5 approx
Ash	% ad	10.0 - 12.0	11.0 approx
Fixed Carbon	% ad	28.5 - 29.5	28.5 approx
Total Sulphur	%ad	0.5 - 0.6	0.55 approx
Phosphorus %	% ad	0.05 - 0.06	0.055
Chlorine %	% ad	0.01 -0.03	0.010
Calorific Value (gross)	Kcal/kg gad	5900 - 6000	5950
Calorific Value (gross)	Kcal/kg gar	5300 - 5400	5350
Calorific Value (gross)	Kcal/kg nar	5050 - 5150	5100
HGI		50 - 60	56 approx
Tompsize	mm		50 nom

Analysis / Property	Basis	Typical Range	Indicative Specification
Ultimate Analysis %			
Carbon	%daf	79.0	
Hydrogen	%daf	5.0	
Nitrogen	%daf	2.220	
Sulphur	%daf	0.60	
Oxygen(by Difference)	%daf	13.0	
Ash Analysis (% in ash)			
SiO ₂	% in dry ash	50.42	
Al ₂ O ₃	% in dry ash	25.23	
Fe ₂ O ₃	% in dry ash	12.19	
CaO	% in dry ash	4.21	
MgO	% in dry ash	1.90	
Na ₂ O	% in dry ash	0.38	
K ₂ O	% in dry ash	0.66	
TiO ₂	% in dry ash	0.97	
Mn ₃ O ₄	% in dry ash	0.09	
SO ₃	% in dry ash	1.43	
P ₂ O ₅	% in dry ash	1.66	
BaO	% in dry ash	0.07	
SrO	% in dry ash	0.09	
ZnO	% in dry ash	0.01	
Trace Elements			
Flourine	Ppm (db)	150	
Arsenic	Ppm (db)	1.3	
Boron	Ppm (db)	121	
Selenium	Ppm (db)	0.32	
Mercury	Ppm (db)	0.05	
Molybdenum	Ppm (db)	1.36	
Cadmium	Ppm (db)	0.01	
Lead	Ppm (db)	4.7	

Analysis / Property	Basis	Typical Range	Indicative Specification
Ash Fusion Temperature			
Initial Deformation	deg C (Red)	1250	
Spherical (Softening)	deg C (Red)	1330	
Hemispherical	deg C (Red)	>1350	
Flow (Fluid)	deg C (Red)	>1350	
Initial Deformation		1340	
Hemispherical		>1400	
Flow (Fluid)		>1400	