



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

Code 1 - Oceania - Prime Low Sulphur Thermal Coal

Prime Low Sulphur Thermal Coal

BASIS	As Received	Air Dried	Dry	Dry Ash Free
TOTAL MOISTURE (%)				
	15.0			
CALORIFIC VALUE				
	(ar)	(ad)	(db)	(daf)
Gross kcal/kg	5800	6414	6823	7870
Net kcal/kg	5553			
PROXIMATE ANALYSIS (%)				
	(ar)	(ad)	(db)	(daf)
Moisture		6.0		
Ash Content	11.3	12.5	13.3	
Volatile Matter	24.0	26.5	28.2	32.5
Fixed Carbon	49.7	55.0	58.5	67.5
ULTIMATE ANALYSIS (%)				
	(ar)	(ad)	(db)	(daf)
Carbon	61.0	67.5	71.8	82.8
Hydrogen	3.3	3.70	3.94	4.54
Nitrogen	1.4	1.55	1.65	1.90
Total Sulphur	0.27	0.30	0.32	0.37
Ash	11.3	12.5	13.3	
Oxygen (by difference)	7.6	8.5	9.0	10.4
Hardgrove Grindability Index				
		(ad)		
		58		
ASH FUSION TEMPERATURES (Deg. C)				
		<i>Reducing Atmosphere</i>		
Initial Deformation		1420		
Sphere		1470		
Hemisphere		1600		
Flow		1600		
ASH COMPOSITION (%)				
		(db)		
Silicon Dioxide	SiO ₂	67.0		
Aluminium Oxide	Al ₂ O ₃	22.3		
Iron Oxide	Fe ₂ O ₃	8.0		
Calcium Oxide	CaO	0.1		
Magnesium Oxide	MgO	0.4		
Sodium Oxide	Na ₂ O	0.09		
Potassium Oxide	K ₂ O	0.69		
Titanium Dioxide	TiO ₂	1.22		
Manganese Oxide	Mn ₃ O ₄	0.13		
Sulphur Trioxide	SO ₃	0.02		
Phosphorus Pentoxide	P ₂ O ₅	0.05		
TRACE ELEMENTS				
		(db)		
Arsenic (mg/kg)		3.0		
Chlorine (%)		0.02		
Fluorine (mg/kg)		70		
Mercury (mg/kg)		0.07		
Phosphorus (%)		0.01		
TYPICAL SIZING %				
0 x 50 mm		100		
0 x 2.0mm		30		