

# PRODUCT SPECIFICATION

## COBBLES | FINE | PEAS | CRUSHED RAW COAL

### PROXIMATE ANALYSIS\_AIRDRY BASIS

Ash	13-21%
Moisture	8-12%
Fixed Carbon	Max 61%
ISO Volatile Matter	21-26%
Gross Calorific Value	5800-6300 kcal/kg
ISO 1928 (Constant Volume)	5500-6500 kcal/kg

### ULTIMATE ANALYSIS

Total Carbon	63 - 73%
Total Hydrogen (Includes H in Moisture)	3.8 - 4.3%
Total Nitrogen	1.4 - 1.8%
Total Sulphur	<2%
Total Ash	14-21%
Oxygen (Includes O in Moisture)	6.5 - 7.0%

### ASH ANALYSIS

SiO <sub>3</sub>	61 - 64%
Fe <sub>2</sub> O <sub>3</sub>	<5%
Al <sub>2</sub> O <sub>3</sub>	26 - 32%
TiO <sub>2</sub>	1.5 - 2.0%
CaO	0.3 - 0.7%
MgO	Approx. 0.8%
MnO	Approx. 0.02%
SO <sub>3</sub>	Approx. 0.3%
K <sub>2</sub> O	Approx. 1.5%
Na <sub>2</sub> O	1%
P <sub>2</sub> O <sub>5</sub>	0.06%
SrO	<0.06%
BaO	<0.07%

### OTHER PARAMETERS

Chlorine	<14 ppm
Fluorine	<150 ppm
Hardgrove Grindability Index	55

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### PRODUCT PARTICLE SIZE ANALYSIS

+75mm	8.20%
+70mm	5.19%
+60mm	7.55%
+50mm	6.59%
+40mm	4.32%
+30mm	6.19%
+20mm	5.54%
+10mm	17.55%
+5mm	14.43%
-5mm	24.44%
Total:	100%

### FUSION TEMPERATURE

	REDUCING	OXIDIZING
Initial Deformation	>1500 °C	>1500 °C
Spherical (Softening)	>1500 °C	>1500 °C
Hemispherical	>1500 °C	>1500 °C
Flow (Fluid)	>1500 °C	>1500 °C







**TANCOAL**  
ENERGY LIMITED

# TALK TO US

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