

QUALITY (As received basis)		THERMAL GRADE 3	
<b>PROXIMATE ANALYSIS</b>		<b>TYPICAL</b>	<b>RANGE</b>
Total Moisture, %		7.50	6.50 - 9.50
Ash, %		13.00	11.00 - 15.00
Volatile Matter, %		31.00	29.00 - 33.00
Fixed Carbon, %		45.50	42.50 - 53.50
Total Sulphur, %		1.10	1.00 - 1.20
Gross Calorific Value, BTU/lb		11600	11300 - 11900
	KCal/kg	6440	6280 - 6610
Net Calorific Value, KCal/kg		6140	5980 - 6300
<b>GRINDABILITY INDEX (HGI)</b>		49	
<b>FREE SWELLING INDEX (FSI)</b>		4.5	
<b>EQUILIBRIUM MOISTURE, %</b>		4.00	
<b>ULTIMATE ANALYSIS</b>			
Total Moisture, %		7.50	
Carbon		67.00	
Hydrogen		5.00	
Nitrogen		1.30	
Total Sulphur, %		1.10	
Ash, %		13.00	
Oxygen (By Diff.)		6.00	
Chlorine		0.04	
<b>ASH FUSION TEMPERATURE</b>			°C
Red. Atm.	Initial Deformation		1300
	Softening (H=V)		1350
	Hemispherical (H=1/2W)		1380
	Fluid		1450
Ox. Atm.	Initial Deformation		1400
	Softening (H=V)		1450
	Hemispherical (H=1/2W)		1480
	Fluid		1500
<b>ASH ANALYSIS</b>			
% SiO <sub>2</sub>		62.00	
% Al <sub>2</sub> O <sub>3</sub>		17.50	
% TiO <sub>2</sub>		0.80	
% Fe <sub>2</sub> O <sub>3</sub>		7.80	
% CaO		3.50	
% MgO		2.00	
% K <sub>2</sub> O		1.70	
% Na <sub>2</sub> O		0.65	
% MnO <sub>2</sub>		0.10	
% P <sub>2</sub> O <sub>5</sub>		0.22	
% SO <sub>3</sub>		3.50	
Undetermined		0.20	
Phosphorous in coal, %		0.007	
<b>SIZING (0 x 50 mm)</b>			
Round hole screens	% + 50 mm	5.0	
	% - 6.3 mm	43.0	