

**Medium volatile steam coal size 0-50 mm**

<b>Proximate Analysis (Typical)</b>	
Moisture, %	10,0
Ash, %	12,0-15,0
Sulphur, %	0,2-0,4
Volatiles, %	18-25
NCV, kcal/kg	6000-6200
HARDGROVE INDEX, HGI	60
<b>Ultimate Analyses (Typical)</b>	
Carbon, db % (ISO 609-1996E)	77
Hydrogen, db % (ISO 609-1996E)	4,1
Nitrogen, db % (ISO 332-1981 E)	1,6
Oxygen, db % (Bydifference)	5,1
Fluorine, ppm (ASTM 3761)	97
Boron, ppm	23
Chlorine, db %	0,02
<b>Full Ash Analysis % (Typical)(ASTM D2795-95)</b>	
Silicium as SiO <sub>2</sub>	60
Aluminium as Al <sub>2</sub> O <sub>3</sub>	<b>22</b>
Iron as Fe <sub>2</sub> O <sub>3</sub>	9,8
Titanium as TiO <sub>2</sub> ;	0,6
Calcium as CaO	2,5
Magnesium as MgO	1,5
Sodium as Na <sub>2</sub> O	0,4
Potassium as K <sub>2</sub> O	2,25
Sulphate as SO <sub>3</sub>	0,67
Phosphorus as P <sub>2</sub> O <sub>5</sub>	0,15
Others, %	0,13
<b>Ash Fusion Temperature °C (ASTM D 1857-87 reducing atmosphere)</b>	
Initial deformation (T1)	1240
Softening point (T2)	1270
Hemispherical point (T3)	1310
Fluid point (T4)	1360

**PCI coal size 0-50 mm**

<b>Proximate Analysis (Typical)</b>	
Moisture, %	7,0-8,0
Ash, %	7,0-8,0
Sulphur, %	0,25
Volatiles, %	18-21
NCV, kcal/kg	6900
HARDGROVE INDEX, HGI	60
<b>Ultimate Analyses (Typical)</b>	
Carbon, db % (ISO 609-1996E)	82
Hydrogen, db % (ISO 609-1996E)	4
Nitrogen, db % (ISO 332-1981 E)	2
Oxygen, db % (Bydifference)	4
Fluorine, ppm (ASTM 3761)	46
Boron, ppm	23
Chlorine, db %	0,01
<b>Full Ash Analysis % (Typical)(ASTM D2795-95)</b>	
Silicium as SiO <sub>2</sub>	50
Aluminium as Al <sub>2</sub> O <sub>3</sub>	23
Iron as Fe <sub>2</sub> O <sub>3</sub>	10
Titanium as TiO <sub>2</sub> ;	0,8
Calcium as CaO	6
Magnesium as MgO	3
Sodium as Na <sub>2</sub> O	0,4
Potassium as K <sub>2</sub> O	1,6
Sulphate as SO <sub>3</sub>	4
Phosphorus as P <sub>2</sub> O <sub>5</sub>	0,8
Others, %	0,4
<b>Ash Fusion Temperature °C (ASTM D 1857-87 reducing atmosphere)</b>	
Initial deformation (T1)	1240
Softening point (T2)	1270
Hemispherical point (T3)	1310
Fluid point (T4)	1360