



Coal Specifications USA Product: Low Sulphur

Proximate Analysis, %

	As Rec'd	Dry
Moisture	7.04	
Ash	6.16	6.63
Volatile	35.69	38.39
Fixed Carbon	51.11	54.98
BTU	13,054	14,043
Sulfur	0.89	0.96
MAF BTU		15040

Ultimate Analysis, % (Dry)

Carbon	78.69
Hydrogen	5.17
Nitrogen	1.47
Sulfur	0.96
Ash	6.63
Oxygen	7.08

Equilibrium Moisture, % 2.0

Hardgrove Grindability Index 42

Free Swelling Index 5

Petrographics Data

Reflectance (RO) %	0.86
Total Reactives %	77.7
Total Inerts %	22.3
Balance Index	0.79
Strength Index	3.11
Predicted Stability	36

Maximum Fluidity, DDPM	1017
Initial Softening Temperature	407
Maximum Fluid Temperature	436
Solidification Temperature	467
Temperature Range	60

Ash Composition, % (Dry)

Silica (SiO ₂)	51.33
Alumina (Al ₂ O ₃)	28.75
Titania (TiO ₂)	1.49
Ferric Oxide (Fe ₂ O ₃)	7.63
Lime (CaO)	2.61
Magnesia (MgO)	4.64
Potassium Oxide (K ₂ O)	1.77
Sodium Oxide (Na ₂ O)	0.39
Phosphorus Pentoxide (P ₂ O ₅)	0.09
Sulfur Trioxide (SO ₃)	1.11
Manganese Oxide (MnO)	0.02
Undetermined	0.07

Ash Fusion, F Reducing Atmosphere

Initial	2550
Softening	2600
Hemispherical	2650
Fluid	2700

Mercury, (Dry) PPM 0.10

V5	XXX
V6	XXX
V7	9.0
V8	64.0
V9	27.0
V10	XXX

Maximum Contraction	-30
Maximum Dilatation	+20
Softening Temperature	369
Temperature of Max Contraction	404
Temperature of Max Dilatation	436

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