



# COAL SPECS

**COAL FOR PREPERATION,  
DISTRIBUTION, AND MORE**



## PROXIMATE ANALYSIS:

MOISTURE %	3.23
VOLATILE MATTER %	37.96
ASH %	4.75
FIXED CARBON %	54.06
SULFUR %	0.77

## DRY BASIS:

N/A
39.23
4.91
55.86
0.80

## GIESELER FLUIDITY:

MAX FLUIDITY (ddpm)	+30,000
MAX FLUID TEMP.	438
INITIAL SOFTENING TEMP.	367
SOLIDIFICATION TEMP.	480
TEMPERATURE RANGE	113

## MINERAL ANALYSIS:

SILICON DIOXIDE	51.03
ALUMINUM OXIDE	32.41
IRON OXIDE	7.72
CALCIUM OXIDE	2.41
MAGNESIUM OXIDE	0.50
SODIUM OXIDE	0.70
POTASSIUM OXIDE	0.78
TITANIUM DIOXIDE	1.28
PHOS. PENTOXIDE	1.02
SULFUR TRIOXIDE	1.54

## ARNU DILATATION:

% CONTRACTION	23
% DILATATION	230 *
T1C SOFT TEMP.	365
T2C MAX. CONTRACTION TEMP.	421
T3C MAX. DILATATION TEMP.	484

## ULTIMATE ANALYSIS:

CARBON %	81.32	FREE SWELLING INDEX:	7.0
HYDROGEN %	5.43	OXIDATION: (%T)	96.6
NITROGEN%	1.83		
OXYGEN %	5.71		
ASH %	4.91		
SULFUR %	0.80		
TOTAL %	100.00		

## PETROGRAPHIC DATA: (MACERAL ANALYSIS)

## %INERTS

### VITRINITE TYPE

### % REACTIVES

V-7	15.1
V-8	45.9
V-9	10.8

VITRINITE	71.8
EXINITE	6.5
ROSNITE	2.1
SEMIFUSINITE	1.3
TOTAL REACTIVES	81.7

SEMIFUSINITE	2.6
MICRINITE	6.6
FUSINITE	6.2
MINERAL MATTER	2.9
TOTAL INERTS	18.3

COMPOSITION BALANCE INDEX	0.63
RANK INDEX	3.04
MEAN-MAX REFLECTANCE CALCULATED STABILITY FACTOR	0.84
	33.0