

Carbo One - MV SS-coal

Indicative Specifications on As Received basis (%)

Steam Coal

	Typical	min	max
Moisture	9.00		12.00
Ash	16.00		19.00
Volatile	21.00	17.50	24.00
Sulphur	0.27		0.40
Net CV	6 000	5 850	
HGI	68 - 78		
Phosphorus	0.018		

Ultimate analysis (DAF)

Carbon	86.66
Hydrogen	5.71
Nitrogen	2.46
Oxygen	4.82

Ash Fusion Temp (Reducing Atmosphere)

Deformation	1 200	1 150
Softening	1 220	1 170
Hemisphere	1 250	1 200
Flow	1 290	1 240

Ash mineral analysis (dry)

SiO ₂	Silicon Dioxide	49.98
Al ₂ O ₃	Aluminium Oxide	25.19
Fe ₂ O ₃	Iron Oxide	8.80
TiO ₂	Titanium Dioxide	0.95
CaO	Calcium Oxide	6.36
MgO	Magnesium Oxide	2.23
K ₂ O	Potassium Oxide	2.48
Na ₂ O	Sodium Oxide	0.53
SO ₃	Sulphur Trioxide	2.99
P ₂ O ₅	Phosphorus Pentoxide	0.24
Mn ₃ O ₄	Manganese Dioxide	0.24

FSI	1.00
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Size Fraction (approximately) %

0-1mm	26
1-6mm	32
6-13mm	28
13-25mm	11
25-50mm	1
>50mm	2 .+50 mm - 5% max