

Carbo One - T-coal 13% Ash

Indicative Specifications on As Received basis (%)

| | PCI coal | | |
|----------------|-----------|-------|-------|
| | Typical | min | max |
| Moisture | 7.00 | | 9.00 |
| Ash | 13.50 | | 16.00 |
| Volatile | 12.00 | 10.50 | 14.00 |
| Sulphur | 0.31 | | 0.40 |
| Net CV | 6500-6800 | 6 400 | |
| HGI | 65 - 75 | | |
| Phosphorus dry | 0.036 | | |

Ultimate analysis (DAF)

| | |
|----------|-------|
| Carbon | 90.28 |
| Hydrogen | 4.07 |
| Nitrogen | 2.36 |
| Oxygen | 2.96 |

Ash Fusion Temp (Reducing Atmosphere)

| | | |
|-------------|-------|-------|
| Deformation | 1 170 | 1 120 |
| Softening | 1 190 | 1 140 |
| Hemisphere | 1 230 | 1 180 |
| Flow | 1 360 | 1 300 |

Ash mineral analysis (dry)

| | | |
|--------------------------------|----------------------|-------|
| SiO ₂ | Silicon Dioxide | 51.63 |
| Al ₂ O ₃ | Aluminium Oxide | 23.35 |
| Fe ₂ O ₃ | Iron Oxide | 8.19 |
| TiO ₂ | Titanium Dioxide | 0.87 |
| CaO | Calcium Oxide | 6.32 |
| MgO | Magnesium Oxide | 2.71 |
| K ₂ O | Potassium Oxide | 1.59 |
| Na ₂ O | Sodium Oxide | 0.31 |
| SO ₃ | Sulphur Trioxide | 4.21 |
| P ₂ O ₅ | Phosphorus Pentoxide | 0.56 |
| Mn ₃ O ₄ | Manganese Dioxide | 0.23 |

| | |
|-----|------|
| FSI | 0.00 |
|-----|------|

Size Fraction (approximately) %

| | |
|---------|--------------------|
| 0-1mm | 26 |
| 1-6mm | 23 |
| 6-13mm | 13 |
| 13-25mm | 14 |
| 25-50mm | 22 |
| >50mm | 2 .+50 mm - 5% max |