



master com
10500 STEAM COAL

| | Parameter | Basis | Typical Specification Units |
|-------------------------------|--------------------------------|--------------|------------------------------------|
| Calorific Value | GCV | As received | 5,835 kcal/kg |
| | | As received | 10,500 BTU/lb |
| | | As received | 24.43 MJ/kg |
| | NCV | As received | 5,543 kcal/kg |
| | | As received | 9,976 BTU/lb |
| | | As received | 23.21 MJ/kg |
| Proximate Analysis | Total Moisture | As received | 15.6 % |
| | Ash | As received | 9.0 % |
| | Volatile Matter | As received | 37.4 % |
| | Fixed Carbon (by diff.) | As received | 37.9 % |
| | Total Sulphur | As received | 0.99 % |
| Ultimate Analysis | Carbon | Dry | 68.71 % |
| | Hydrogen | Dry | 4.63 % |
| | Nitrogen | Dry | 1.75 % |
| | Sulphur | Dry | 1.18 % |
| | Ash | Dry | 10.67 % |
| | Oxygen | Dry | 13.07 % |
| Ash Analysis | SiO ₂ | Dry | 49.26 % |
| | Al ₂ O ₃ | Dry | 22.93 % |
| | Fe ₂ O ₃ | Dry | 10.62 % |
| | CaO | Dry | 4.69 % |
| | MgO | Dry | 2.00 % |
| | TiO ₂ | Dry | 1.16 % |
| | K ₂ O | Dry | 0.89 % |
| | Na ₂ O | Dry | 1.06 % |
| | SO ₃ | Dry | 5.96 % |
| P ₂ O ₅ | Dry | 0.11 % | |
| Ash Fusion | Initial Deformation | Reducing | 1,194 °C |
| | Spherical | Reducing | 1,222 °C |
| | Hemispherical | Reducing | 1,296 °C |
| | Flow | Reducing | 1,328 °C |
| Ash characteristics | Base to Acid ratio | | 0.26 |
| | Slagging index | | 0.31 |
| | Fouling index | | 0.28 |
| Handling | HGI | | 50 |
| | Nominal topsize | | 0 mm |
| | Fuel ratio | | 1.01 |