

Typical Coal Quality

silero

Size 1 - 7 mm
Origin Colombia

ca. Analysis (on as received)

Total Moisture	8,0 - 12,0 %
Ash	1,3 - 1,5 %
Volatiles	35 - 37 %
Sulphur	0,4 - 0,5 %
Chlorine	0,06 - 0,07 %
Calorific value nett	6900 - 7000 kcal/kg
Hardgrove index	48 - 50
Free swelling index	1 - 2

Ash fusion temperatures

Oxydizing atm.	F	C
Deformation	2.300° F	1.260° C
Hemispherical	2.345° F	1.285° C
Flow	2.390° F	1.310° C

ca. Ultimate analysis of coal (on dry)

Carbon	81,90%
Hydrogen	5,23%
Nitrogen	1,60%
Oxygen	10,03%

Ultimate analysis of ash (dry basis)

SiO ₂	57,30%
Al ₂ O ₃	19,50%
Fe ₂ O ₃	10,70%
CaO	3,39%
MgO	2,72%
TiO ₂	0,67%
K ₂ O	0,43%
Na ₂ O	2,67%
SO ₃	1,25%
P ₂ O ₅	0,64%
BaO	0,12%
MnO ₂	0,10%

Size	1 - 7 mm
Size Range	< 1 mm max. 5% > 7 mm max. 5%