

F2

HIGH MANGANESE FINES / CHIPS SILICEOUS ORE



HIGH GRADE ORE

Manganese – symbol Mn – is the fourth most used metal in the world (after iron, aluminium and copper). Manganese is never used in its own right (as a pure metal), but it's an important raw material for many applications.

The final market for over 90% of all Mn ore produced is steelmaking. Ore is transformed into ferroalloys (silico-manganese or ferro-manganese) or manganese metal. These are essential raw materials for carbon and stainless steel as alloying elements, desulphurizing agents and deoxidizers in the metallurgical process.

The remaining 10% is used to produce a range of Mn compounds, indispensable in the chemical industry for the production of batteries, fertilizers, pigments and different reagents.

Comilog's "Compagnie Minière de l'Ogooué" produces high grade oxidized ore at its Moanda mine in Gabon. The saleable products come in different grades and sizes and some ore fines are processed locally into Sinter.

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CHEMICAL COMPOSITION :

Comilog products specifications – Metallurgical grades

	Typical	Guaranteed
Mn	43.00 %	42.00 %
SiO ₂	8.00 %	
Al ₂ O ₃	7.60 %	
Fe	5.00 %	
P	0.11 %	0.13 %
K ₂ O	0.85 %	

PACKING :

F2 is only delivered in bulk.

CHARACTERISTICS :

F2 grade with its high manganese silicon content has been designed for production of SilicoManganese (SiMn).

This high grade and highly reactive ore is an excellent product to improve process performances (less waste, lower energy consumption), particularly though the production of sinter.

Its low Iron content makes it a good mix with ferrous rich ores.

Comilog ore has naturally a very low Boron content of around 10 ppm which enables production of low boron Mn-alloys needed for applications such as line pipe or shipbuilding to limit embrittlement issues and to improve welding process.

SIZING :

90% typical between 2 – 10 mm at Owendo port.



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