TECHNICAL TAB

PRODUCT:

DIRECT REDUCTION IRON (A) BRIQUETTES, HOT MOLDED

SPECIFICATIONS:

CHEMICAL SPECIFICATIONS

Parameters	% P/P
Total Iron (FeT)	89,60 Mín.
Metallic Iron (Fe°)	84,70 Mín.
Carbon (C)	0,80 Mín.
Phosphorus (P)	0,130
Máx. Sulfur (S)	0,010
Máx. Bargain (SiO_2+Al_2O_3+CaO+MgO)	6,50 Máx.

PHYSICAL SPECIFICATIONS

Parameters	
Size	108 mm x 48 mm x 32 mm Broken briquettes are acceptable
Weight	0,5 – 0,7 kg
Apparent Density	≥ 5,00 g/cm^3
Bulk Density	2,40 – 2,80 t/m^3.
Particle Size Distribution:	
> 6,35 mm	95,0 % (p/p) Mín.
< 6,35 mm	5,0 % (p/p) Máx.
Moisture	0,50 % (p/p) Máx.

DESCRIPTION

It is a metallic grey material, molded in the form of briquettes, resulting from a densification process wherein the iron feed matter obtained by direct reduction is molded to a temperature above 650oC and whose density is greater than 5.00 g/cm^3.

USES

Alternative source of metal for steel and blast manufacturing processes in electric arc furnaces, converters, and blast furnaces.

June 2020