

Silico Manganese Production

Description:

Silico Manganese Production. Ferroalloys Industry

The global market for Silicomanganese is expected to grow at a CAGR of roughly 6.0% over the next five years.

Silico manganese is an alloy with 60% to 68% manganese, 14% to 21% silicon, and 5% to 2.5% carbon. It is produced by smelting of slag from high-carbon Ferro Manganese or of Manganese ore with coke and a quartz flux in a submerged electric arc furnace. The process requires power consumption of about 3,800 to 4,800 kilowatt-hours per tonne.

Silico Manganese is an essential component as an ingredient in the process of manufacturing various grades of steels. Silico Manganese, High Carbon Ferro Manganese, Medium Carbon Ferro Manganese, is covered under routine production planning. In addition the existing EAF has also successfully produced Pig Iron on market demand.

Silico Manganese is one of the essential alloy that contains both the elements of manganese and silicon. As well, this range is manufactured by heating a combination of silicon dioxide, manganese oxide and iron oxide along with carbon at the vendor's end. Silico manganese is usually used as deoxidizers and desulfurizers.

For more details download PDF file.

Keywords: #Silico_Manganese, #Silicomanganese, #Silico_Manganese_Manufacture, Manufacture of Silico Manganese in India, Silico-Manganese (Si-Mn), Ferro Alloys, Silicomanganese Production, #Silicomanganese_Production_Process, Ferro Alloy Manufacture, Silico Manganese Manufacturing Process, Production of Silico-Manganese, #How_to_Start_Production_of_Ferroalloys, Process for Production of Silicomanganese, #Ferro_Alloys_Production_Process Pdf, #Silicomanganese_Manufacturing_Project, Ferroalloy Manufacture, Fe

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