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Technical Data Sheet

High Carbon Ferro Manganese

HC FeMn – 76% Mn, 6–8% C

Description

High carbon ferro manganese (HC FeMn) is the most widely used manganese ferroalloy in steelmaking, with 76% manganese and 6–8% carbon. It supplies manganese for strength, hardness and wear resistance and acts as an effective deoxidiser and desulphuriser in the ladle. It is supplied as lump of 10–60 mm, with at least 90% in size, for consistent dissolution and recovery. Ochnology Solution Pvt. Ltd. supplies high carbon ferro manganese for export, to steel mills, foundries and ferroalloy consumers.

Typical Applications

- Alloying, deoxidising and desulphurising addition in carbon steel and structural steel
- Manganese addition in cast iron and steel casting
- Production of rebar, wire rod, rail and wear-resistant steels
- Manufacture of silico manganese and other ferroalloy blends

Specification

S. No.	Parameter	Specification	Test Method
1	**Manganese (Mn), %**	76	Volumetric / XRF
2	**Carbon (C), %**	6.0 – 8.0	Combustion, infrared (ISO 15350)
3	**Silicon (Si), %**	1.5 max	Gravimetric / XRF
4	**Phosphorus (P), %**	0.2 max	Photometric
5	**Sulphur (S), %**	0.02 max	Combustion, infrared (ISO 15350)
6	**Size, mm**	10 – 60 (90% min)	Sieve analysis

General Properties

Product	High Carbon Ferro Manganese
Appearance	Silvery-grey, hard, irregular lumps
Size	10 – 60 mm
Packing	Jumbo (bulk) bags or woven bags; net weight per pack as per order

Handling and Storage

- Store in a dry, covered place, away from moisture; keep bags sealed until use
- Avoid generating dust; use dust control and protective equipment when handling fines
- For safety information, refer to the accompanying Safety Data Sheet (SDS)

Disclaimer: The information in this document is typical and is intended as a general guide. Ochnology Solution Pvt. Ltd. reserves the right to modify specifications without prior notice. Buyers are advised to conduct their own evaluation under end-use conditions before use.