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Technical Data Sheet

Medium Carbon Ferro Manganese

MC FeMn – 78% Mn, 1.0–1.5% C

Description

Medium carbon ferro manganese (MC FeMn) is a manganese ferroalloy with 78% manganese and 1.0–1.5% carbon, with low silicon, phosphorus and sulphur. Its lower carbon content makes it the preferred ferro manganese alloy for steel grades where carbon pick-up must be controlled. It is supplied as lump (10–60 mm) for easy handling and fast dissolution in the ladle or furnace. Ochnology Solution Pvt. Ltd. supplies medium carbon ferro manganese for export, to steel mills, foundries and welding consumable makers.

Typical Applications

- Alloying and deoxidising addition in low-carbon and medium-carbon steels
- Manufacture of stainless steel and alloy steels
- Raw material for welding electrodes and fluxes
- Steel casting and foundry applications where low carbon pick-up is needed

Specification

S. No.	Parameter	Specification	Test Method
1	**Manganese (Mn), %**	78	Volumetric / XRF
2	**Carbon (C), %**	1.0 – 1.5	Combustion, infrared (ISO 15350)
3	**Silicon (Si), %**	1.0 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	Sieve analysis

General Properties

Product	Medium 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.