



SiMn



Silicon Manganese

Silicon manganese is alloy of manganese, silicon and iron, a choice for steel manufacturers due to its cost effectiveness. It is consumed in all steel products and used in higher quantities in 200 series stainless steel, alloy steel and manganese steel.

Its various grades include Low carbon, low boron, low Ti, Low P, High mn. It acts as Deoxidizer and helps in bringing sturdiness and high strength to steel.

Applications

Some of Silicon Manganese alloy's applications are found in steel industries like



Product Specification

Parameters	Option 1	Option 2
Manganese (Mn)	40% / 50% / 55% / 60% Min	68% Min
Carbon (C)	3% / 2.5% / 2.25% Max	2.25% / 2% Max
Silicon (Si)	10% / 12% / 13% / 14% / 15% Min	15% / 16% / 17% Min
Phosphorus (P)	0.35% Max	0.3% / 0.25% / 0.2% Max
Sulphur (S)	0.03% Max	0.03% Max
Size	10-150mm / 10-60mm	10-60 mm

Parameters	Option 3 MC	Option 4 LC
Manganese (Mn)	55% Min	55% Min
Carbon (C)	0.5%Max	0.2% / 0.1% Max
Silicon (Si)	22% Min	25% / 27%Min
Phosphorus (P)	0.2% Max	0.2% / 0.15% Max
Sulphur (S)	0.03% Max	0.03% Max
Size	10-50mm	10-50 mm