



FeCr



Ferro Chrome

There are two types of ferrochrome based on the quantity of carbon. These include LC ferrochrome and HC ferrochrome. The production of stainless steel consumes ferrochrome. The chromium content makes the stainless steel highly resistant to corrosion. Ferrochrome slag is applied in the civil engineering sector and road construction for the manufacture of refractory material.

(a) HC Ferrochrome

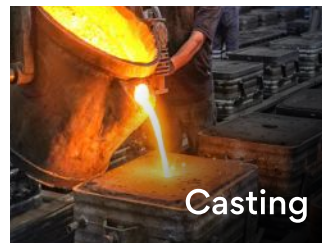
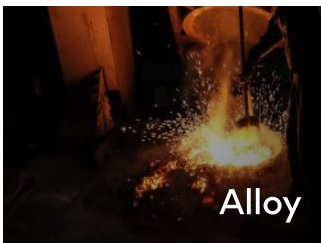
The specification of HC (High Carbon) ferrochrome includes 60-65% of chromium, 4% of silicon, 6-8% of carbon, and 0.05% each of phosphorus and sulfur.

(b) LC Ferrochrome

The specifications of LC (Low Carbon) ferrochrome include 60-75% of chromium, 1.5% of silicon, 0.1% of carbon, and 0.03% each of phosphorus and sulfur.

Industrial Applications

Some of Ferro Chrome alloy's applications are found in steel industries like





Product Specifications of High Carbon Ferro Chrome

Parameters	Option 1	Option 2 Low Si
Chrome (Cr)	56-65%	60%
Carbon (C)	8% Max	8.5% Max
Silicon (Si)	4% Max	1%, 1.5%, 2% Max
Phosphorus (P)	0.04% Max	0.04% Max
Sulphur (S)	0.04% Max	0.04% Max
Titanium (Ti)	--	--
Iron (Fe)	--	--
Size	10-150mm/10-60mm	10-150mm/10-60 mm

Parameters	Option 3 Low Ti	Option 4 Low P
Chrome (Cr)	65-72%	58-65%
Carbon (C)	8.5% Max	8% Max
Silicon (Si)	1% Max	4% Max
Phosphorus (P)	0.025% Max	0.025% / 0.02% / 0.012% Max
Sulphur (S)	0.04% Max	0.04% Max
Titanium (Ti)	0.02%/0.015%Max	--
Iron (Fe)	--	--
Size	10-150mm/10-60mm	10-150mm/10-60mm



Product Specifications of Low Carbon Ferro Chrome

Parameters	Option 1	Option 2
Chrome (Cr)	60-70%	68% Min
Carbon (C)	0.1% Max	0.1% Max
Silicon (Si)	1.5% Max	1.5%, Max
Sulphur (S)	0.03% Max	0.025% Max
Phosphorus (P)	0.03% Max	0.025% Max
Aluminium (Al)	0.1%	1.5% Max
Size	10-60mm	10-60 mm

Parameters	Option 3	Option 4 MC
Chrome (Cr)	65% Min	60% Min
Carbon (C)	0.05% / 0.03% / 0.025% / 0.015% Max	2% Max
Silicon (Si)	1% Max	1.5%, Max
Sulphur (S)	0.03% Max	0.025% Max
Phosphorus (P)	0.03% Max	0.025% Max
Aluminium (Al)	0.1% Max	0.1% Max
Size	10-60mm	10-60 mm