

IS 1110:2023 **Ferrosilicon — Specification** serves as a valuable reference for the ferrosilicon industry, ensuring the quality and consistency of this critical alloying element.

Ferrosilicon is a Key Ingredient in Steelmaking. It Enhances the strength and durability of steel, Improves Electrical Conductivity, Refines Grain Structure.

IS 1110:2023 defines ferrosilicon as an iron-silicon alloy with a minimum of 15% and maximum 95 % silicon by mass. It Specifies 13 grades of ferrosilicon, each with specific ranges for Silicon, Carbon, Sulphur, Phosphorus, Aluminum, and Calcium content. Standard Stipulates the methods for chemical analysis, referencing IS 1559 . It Covers the size range of ferrosilicon, which can be in lumps or crushed and screened particles and also Specifies the tolerance for oversize and undersize particles

IS 1110:2023 also prescribes the sampling plans, Packing and Marking requirements .