



ATASAN Ferroalloys

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Ferroniobium (FeNb)

Ferroniobium is an alloy composed primarily of niobium and iron, with controlled carbon content and minor impurities. It is widely used in microalloyed and high-strength low-alloy (HSLA) steels.

In steelmaking, **ferroniobium** acts as an alloying agent to improve strength, toughness, and grain refinement. Niobium enhances precipitation strengthening and controls grain growth, resulting in improved mechanical properties and weldability.



1. Typical Chemical Composition (%)

Products	Nb	C	Si	P	S
FeNb 60	60 - 65	≤ 0.10	≤ 1.5	≤ 0.03	≤ 0.03
FeNb 65	65 - 70	≤ 0.10	≤ 1.5	≤ 0.03	≤ 0.03

2. Typical Size: 10 - 50 mm

3. Packing: 1 MT Big Bag / Bulk

- Other sizes and specifications are available upon request.