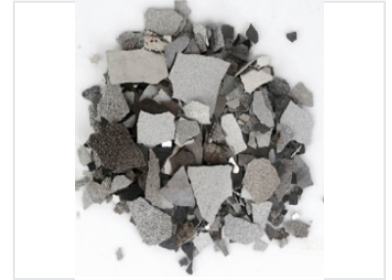


Electrolytic Manganese Metal

Electrolytic manganese is produced through an electrolytic process, resulting in a brittle, silvery metal. It is primarily used in steel production to enhance strength, toughness, and wear resistance, and in non-ferrous alloys to improve mechanical properties and corrosion resistance.



Product Overview

High-Purity Electrolytic Manganese

Electrolytic manganese is a high-purity metal produced through an advanced electrolytic process, resulting in a distinct, brittle, and silvery appearance. It is primarily utilized as a critical alloying agent in steel production, significantly enhancing the material's overall strength, toughness, and wear resistance. Beyond steel, it plays a vital role in non-ferrous alloys, including aluminum and magnesium, where it serves to improve both mechanical properties and corrosion resistance.

Technical Specifications

Purity Range

99.7 %

Minimum Purity

99.9 %

Maximum Purity

Production Process

Electrolysis of manganese ore leached with sulfuric acid

Applications

Primary Applications

Steel Alloying, Aluminum Alloys, Magnesium Alloys, Corrosion Resistance Enhancement

Physical Properties

Appearance

Brittle, silvery metal