

9 Fast Facts About Manganese

Atomic
Number

25

Essential to iron and steel production by virtue of its sulfur-fixing, deoxidizing, and alloying properties

From the Latin word *magnes* (magnet)

Can be used in:

- Steelmaking
- Dry cell batteries
- Plant fertilizers
- Animal feed
- Colorants for brick

Discovered by Johann Gahn in 1774.

Manganite (manganese oxide-hydroxide)

Makes up about 0.1% of the earth's crust

Important trace element and may be essential for utilization of Vitamin B

Harder than iron and very brittle

Manganese ores usually consist of dark brown to black oxides, particularly pyrolusite (MnO_2) and psilomelane ($(\text{Ba},\text{H}_2\text{O})_2\text{Mn}_5\text{O}_{10}$)

5.90 6.49

Mn

Manganese
25

0.64 0.65

References:

www.webelements.com/manganese/
www.usgs.gov

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