

| Iron Ore Minerals | Chemical Composition % Fe | Specific Gravity (g/cm ³) | Hardness | Crystallization |
|-------------------|--|---------------------------------------|-------------------|-----------------------|
| Oxides | | | | |
| Magnetite | 72.4 | 4.5 – 5.3 | 5.5 – 6.5 | Octahedrons |
| Hematite | 69.94 | 5.2 | 5月6日 | Hexagonal rhomohedral |
| Martite | 70 | 4.8 – 5.3 | 6月7日 | Octahedrons |
| Maghemite | 69 | 5 | Isometric massive | Brown |
| Ilmenite | 36.8 (Fe) 31.6 – Ti | 4.7 | 5.5 – 6.7 | Hexagonal rhombic |
| Hydrous Oxides | | | | |
| Goethite | 62.9 | 4.3 | 5 – 5.5 | Ortho – rhombic |
| Lepidocrocite | 62.9 | 4 | 5 | Ortho – rhombic |
| Limonite | Variable (52.3 – 66.3) | 2.7 – 4.3 | Variable | 2004/11/2 |
| Turgite | 40 – 50 (variable Fe ₂ O ₃ • H ₂ O) | 4.2 – 4.7 | 2月4日 | Amorphous |
| Carbonates | | | | |
| Siderite | 43.2 | 3.8 | 3.5 – 4 | Rhombic |
| Sulphides | | | | |
| Pyrite | 46.6 | 5 | 5 – 6.5 | Isometric |
| Pyrrhotite | 57 – 63.5 | 4.6 | 3.5 – 4.5 | Hexagonal |

Colour

Black

Red and
brownish black

Black

Iron black to
bronish black

Yellowish brown
to dark brown

Red to reddish
brown

Brown and
yellow

Reddish black
to dark red

Light to dark
brown

Brass yellow

Bronze yellow