

Magnesium Powder (Mg)

Magnesium Powder is a highly reactive, lightweight metal powder produced through atomization or mechanical milling processes. It is widely used in pyrotechnics, metallurgy (as a desulfurizer and deoxidizer), chemical synthesis, Grignard reactions, sacrificial anodes, and as an additive in specialty alloys and welding fluxes.



1. Typical Chemical Composition (%)

Products	Mg (min.)	Al (max.)	Fe (max.)	Si (max.)	Mn (max.)	Other impurities
Standard	99.5	0.10	0.05	0.05	0.10	0.30
High Purity	99.8	0.05	0.03	0.03	0.05	0.15
Super Fine	99.9	0.03	0.02	0.02	0.03	0.08

2. Typical Particle Size

- -325 mesh, 10–45 µm, 30–100 µm, 50–150 µm

3. Typical Properties

- **Apparent Density:** 0.8 – 1.8 g/cm³ (grade dependent)
- **Morphology:** Irregular to spherical

4. Packing: 25 kg steel drums or fiber drums filled with inert gas (argon) or vacuum-sealed with moisture-proof liners / Special hazardous material packaging

- Other sizes and specifications are available upon request.