

Aluminum Powder (Al)

Aluminum Powder (Atomized) is a high-purity, lightweight metallic powder produced by inert gas or air atomization. It is widely used in pyrotechnics, metallic pigments, powder metallurgy, additive manufacturing, chemical reactions, and as a reducing agent.



1. Typical Chemical Composition (%)

Products	Al (min.)	Fe	Si	Cu	O	Other impurities
Atomized	99.5	≤ 0.30	≤ 0.20	≤ 0.05	≤ 0.50	≤ 0.15
High Purity	99.7	≤ 0.20	≤ 0.15	≤ 0.03	≤ 0.30	≤ 0.10
Super Fine	99.9	≤ 0.10	≤ 0.08	≤ 0.02	≤ 0.20	≤ 0.05

2. Typical Particle Size

- **Standard:** -325 mesh (Other custom distributions available upon request)
- **Other sizes:** 10-45 µm, 15-53 µm, 45-100 µm, 75-150 µm

3. Typical Properties

- **Apparent Density:** 0.9 - 1.8 g/cm³ (grade dependent)
- **Morphology:** Spherical

4. Packing: 25 kg Steel Drums / 500 kg or 1 MT Big Bags with inner liners

- Other sizes and specifications are available upon request.