

"Unveiling the Versatility of 1060 Aluminum Alloy: The Ultimate Choice for Lightweight Durability"

Original link: <https://www.hwalu.co.kr/1060-1060-1060/>

1060 Aluminum Alloy Properties and Applications

Aluminum alloy 1060 is a pure aluminum alloy with a minimum purity of 99.6% (99.6% minimum). It is widely used in various industries, including automotive, aerospace, and construction, due to its excellent properties. The 1060 aluminum alloy is known for its high strength, corrosion resistance, and excellent formability. It is also a good conductor of electricity and heat. The 1060 aluminum alloy is commonly used in the manufacturing of aircraft, spacecraft, and other high-performance applications. It is also used in the manufacturing of electrical components, such as capacitors and resistors. The 1060 aluminum alloy is a versatile material that can be used in a wide range of applications. It is a good choice for anyone looking for a lightweight, durable, and corrosion-resistant material.

- **Properties:** High strength, corrosion resistance, excellent formability, good electrical and thermal conductivity.
- **Applications:** 1060 aluminum alloy is used in the manufacturing of aircraft, spacecraft, and other high-performance applications. It is also used in the manufacturing of electrical components, such as capacitors and resistors.

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1060 铸态组织为单相固溶体，具有良好的铸造性能。其力学性能与成分密切相关，1060 铸态组织为单相固溶体，具有良好的铸造性能。

1060 铸态组织与性能

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- 铸态组织：单相固溶体，具有良好的铸造性能。
- 力学性能：抗拉强度（ σ_b ）：200~250 MPa；屈服强度（ σ_s ）：100~150 MPa；伸长率（ δ ）：10~15%；硬度（HB）：100~120。
- 热处理：铸态组织经热处理后可提高其力学性能。
- 化学成分：Al 99.6%，Fe、Si 0.05%，Cu、Mn、Mg、Zn、P、S 各 ≤ 0.01%。
- 物理性能：密度（ ρ ）：2.70 g/cm³；熔点（ T_m ）：933℃；热膨胀系数（ α ）：23.6 × 10⁻⁶ /℃。

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- 1060: 1060(0.2% 1060), 1060, 1060, 1060(IACS %), 1060
- 1060: O(1060) 1060

1060	1060 (MPa)	1060 (MPa)	1060 (%)	1060 (% IACS)	1060 (W/m·K)
O	10–20	60–120	25–40	60–62	205–235
H14	25–40	90–130	15–30	60–62	210–235
H24	30–45	95–125	15–28	60–61	210–235

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- Fe: ≤ 0.4%
- Si: ≤ 0.4%
- Cu: ≤ 0.05%
- Mn: ≤ 0.05%
- Zn: ≤ 0.04%
- Ti, Cr 1060 1060 1060(Expected minor elements): 1060

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本材料为高纯度铝，主要成分为铝，含有少量杂质，如铁、硅、铜等，
MOQ(最小起订量) 为 1000 公斤。

规格：1000 公斤/桶

包装：200 公斤/桶

- 主要成分：Al (纯度 ≥ 99.6%)
- 杂质含量：Fe (≤ 0.04%), Si (≤ 0.04%), Cu (≤ 0.005%)
- 物理性能：密度 2.70 g/cm³, 熔点 933.47°C
- 化学性能：耐腐蚀性强，适用于各种工业环境
- 应用领域：航空航天、汽车制造、电子工业等

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成分	含量 (%)
Al(纯度)	99.6% 以上
Fe	≤ 0.4%
Si	≤ 0.4%
Cu	≤ 0.05%

Mn	≤ 0.05%
Zn	≤ 0.04%
Ti ■ ■ ■ ■ ■	■ ■ ■ ■

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5) Huawei Aluminum ■■■■ ■■■■■■? - ■■■■ 1xxx ■ 3xxx ■■■■ ■■ ■■■■■■ - ■■■■ 1060 ■■■■ ■■ ■■■■ ■■ ■■ ■■■■ ■■ ■■ - ■■■■ ■■ ■■■■■■ ■ ■■■■■■ ■■■■ - ■■ ■■■■ ■■■■ ■■■■ ■■ ■■

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THESE ARE THE TERMS AND CONDITIONS OF THE SALE, WHICH THE BUYER AGREES TO ACCEPT, AND THE SELLER AGREES TO FULFILL.