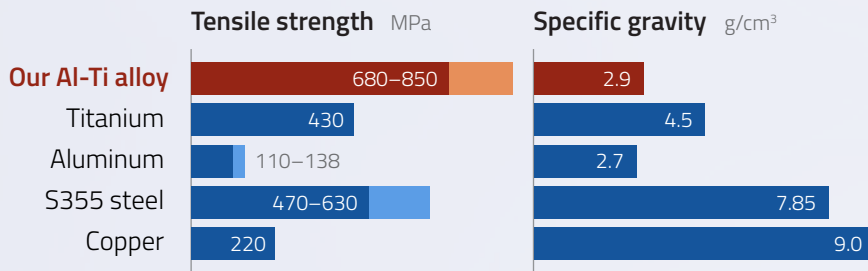


## High-performance metal alloys for aeronautics, space and defence

Our patented family of alloys **combines the benefits of titanium, steel and aluminum** with properties **tailor-made to your needs**

### Key properties



- Yield strength: 650–830 MPa
- Elongation at rupture: 7.5–12.0%
- Chemical composition: 85% aluminum + 15% alloying materials

2.7 times lighter than steel – nearly twice as strong as titanium

Material properties highly customizable to your individual requirements

### Benefits and use cases

- Cost-effective** solution for **reducing the weight** of air, space and ground vehicles and protective and structural elements
- Easily machineable** using conventional manufacturing processes
- Resists corrosion** and can be made resistant to certain **acids and alkalis**
- Combination of **multiple layers with different properties** is possible
- ITAR-free**

### What we offer

- Our alloys are **custom-made** to meet our customers' specifications – you can define the physical parameters you need on a wide spectrum, at which point we **develop** the suitable alloy for you and then **manufacture** the required parts
- The development of the alloy and the initial manufacturing of the test samples usually takes around **4–6 weeks**

### About Gordius

Backed by a **vast network** of highly qualified engineers, scientists and subject matter experts, Gordius AG delivers **unique solutions** to challenging problems in the areas of **aeronautics, space, radar and satellite technologies**. We leverage our more than **30 years of experience** in high-tech to help your project succeed.

### Contact us

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