

Ingots product Specifications (1000 and 50 pounds)

The technical specifications of ingots production are as follows:

Grade IR	A1%	Si%	Fe%	Grade AA
A1-99.90	99.88-99.92	0.04-0.1	0.05-0.15	P0405A-P0406A-P0507A-P1015A
A1-99.85	99.83-99.87	0.04-0.1	0.06-0.15	P0406A-P0506A-P0507A-P0610A-P1015A
A1-99.80	99.78-99.82	0.06-0.15	0.1-0.2	P0610A-P1015A-P1020A-P1520A
A1-99.75	99.73-99.77	0.1-0.15	0.15-0.20	P1015A-P1020A-P1520A

What is aluminum ingot?

Aluminum Ingot is a non-ferrous product that is produced by pouring molten aluminum into special molds. These molds come in a variety of sizes and shapes, and the ingots created by this variety have different types in appearance. According to historical documents, the first date of aluminum using back to the fifth century BC. People at that time used aluminum in different ways to stabilize the color and defend the city. But the purposeful use of aluminum first occurred in 1530 by a Swiss physician named Paracelsus, who suggested extracting aluminum from salt. Today, aluminum is the second most widely used metal after iron in the world. The widespread use of this metal in various industries has led to special attention to its identification and extraction from existing mines in the country.

Aluminum ingots Application

- Re-melting industries
- Transportation manufacturing industries (aircraft, automobile, truck, shipbuilding, railway, etc.)
- Packaging Industry
- Production of cans and foils
- Manufacture of building doors and windows
- Production of building wall coverings
- Home appliances

- Electrical transmission lines
- Glass industry
- casting parts manufacturing



What is aluminum slab ?

Aluminum slabs or aluminum takhtal are one of the products of the aluminum industry. The slab looks like a rectangular cube with different diameters. Aluminum slab is a product that is produced between midline and semi-finished. The method of preparing aluminum slabs is by rolling aluminum ingots and it is obtained by casting method. Slabs also come in a variety of sizes to suit the needs of the industry. Slab production capacity in the Southern Aluminum Industries Complex Company is over 70,000 tons per year. Due to the measures and foresight underway, this capacity is increasing.

Aluminum slabs applications type?

Aluminum slabs are used in various industries. Among the most important industries that use these products are the rolling industry and the production of sheets and belts. Slabs have the

potential to produce flat products and are therefore of interest to industries that produce the following products:

- aluminum sheets production
- consumer items production
- Foil production
- Dishes production
- aluminum coils production
- slab belts production



What is an aluminum billet?

Aluminum Billet or aluminum ingots, is one types of products used in the extrusion industry.

