Aluminum foam is a structure of aluminum with a large volume of gas-filled pores. Inside of an alloy obtained by solidification of a liquid foam.

- 75-95% of the volume is air, so it is an ultra-light material.

**ALUMINUM FOAM**

Hydroformed tubes filled with aluminum foam
**ALUMINIUM FOAM**

The aluminum foam is a material with superior characteristics compared to conventional materials, a result which is achieved in function of the internal cellular structure. The aluminum foam is, in general, much more stable and resistant to high temperatures compared to conventional materials. Its application can be adapted to various fields, from automotive to design. Aluminum foams excellently absorb energy as vibration, impact and sound due to their cellular structure. At the end of their useful life, the foam can be recycled without problems.

**PROPERTIES**

- High energy absorption during crashes
- High vibration damping
- Good thermal isolation
- Good acoustic isolation

**Field of application**

**AUTOMOTIVE INDUSTRY:**
- car body knot - crash absorbers
- crash absorbers - floor wagons

**RAILWAY VEHICLES:**
- crash absorbers - floor wagons

**BUILDING INDUSTRY:**
- fire protection – floor and wall elements
- vibration absorbers

**ENGINEERING:**
- doors - ribs – structures - hatches

**SHIPBUILDING INDUSTRY:**
- decoration - adornments

**DESIGN:**