

# Aluminium Metal and Aluminium Products, Cast Aluminium Alloys, Alumina Extraction,

## Description:

**Aluminium Metal and Aluminium Products, Cast Aluminium Alloys, Alumina Extraction, Aluminium Conductor, Aluminium Foil, Flexible Foil Packaging Laminate, Aluminium Foil Packs, Printing on Aluminium Foil, Beneficiation of Bauxite, Aluminium Die Castings**

Aluminium plays a major role in the modern world through its innumerable forms of applications- from kitchen ware to electric conductors and from railway wagon to Appollo spacecraft. Because of its intrinsic and versatile properties of lightness, strength to weight ratio, corrosion resistance, electrical and thermal conductivity, non toxicity etc., a wide range of uses has opened up for this metal. Aluminium as a packaging material is unmatched owing to its light weight, hygienic and non-contamination which eventually results in longer shelf-life of end products. Aluminium is an attractive material and there is strong competition among the various aluminium producers with regard to product development, new solutions for customers and continuous cost reductions. On the industrial side, aluminium is heavily used in electrical power transmission, machinery and equipment, and construction. Housing, in particular, makes heavy use of the lightweight material as a substitute for steel and wood in doors, windows and siding. On the consumer side, aluminium is used in a variety of retail products, including cans, packaging, air conditioners, furniture and vehicles. Aluminum also has the advantage of a practically infinite capacity for recycling, making it a choice solution in terms of environmental protection. The use of secondary aluminum, employing rejects or aluminum products at the end of their life cycle, requires only 5% of the power required to produce the primary metal.

Aluminium and its alloys are vital to the aerospace industry and important in transportation and structures, such as building facades and window frames. The oxides and sulfates are the most useful compounds of aluminium. Aluminium is a relatively soft, durable, lightweight, ductile, and malleable metal with appearance ranging from silvery to dull gray, depending on the surface roughness. It is nonmagnetic and does not easily ignite.

Aluminum, with its affordable production cost, is undeniably an exceptional and very versatile metal. Its future holds the promise of still unsuspected qualities that will attract even more attention to this "grey" gold.

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**Keywords:** All about Aluminium, Alumina extraction, Alumina from Its Ores, Aluminium Alloys Applications, Aluminium and Aluminium Alloys, Aluminium and Aluminium Products, Aluminium and Aluminium Products Business, Aluminium applications, Aluminium Based Profitable Projects, Aluminium Based Small Scale Industries Projects, aluminium business ideas, aluminium business plan, Aluminium Extrusion, Aluminium Foil in Pharmaceutical Packaging, Aluminium Foil Production, aluminium manufacturing process, Aluminium

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