

# **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**

## **Description:**

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 Apollo 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 lightweight, 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. Aluminium 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 aluminium, employing rejects or aluminium products at the end of their life cycle, requires only 5% of the power required to produce the primary metal.

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