

Aluminium

High Purity Metal

Characteristics

- ✓ Lightweight
- ✓ Fire-proof
- ✓ Heat-resistance
- ✓ Low-density
- ✓ Corrosion resistance

Quick Facts

Molecular Formula	:	Al
Molecular Weight	:	26.98 g/mol
Density	:	2.70g/cm ³
Melting Point	:	660 °C
Boiling Point	:	2467 °C
Thermal Conductivity	:	237W/(mK)
Electrical Resistivity	:	28.2 2μΩcm (at 20 °C)
Thermal Expansion	:	23.1μm/(mK) (at 25 °C)
Young's Modulus	:	70GPa
Specific Heat	:	0.9 J/g · K

Purity : 99%

Aluminium is a chemical element with the symbol Al and atomic number 13. Aluminum is soft, lightweight, fire-proof and heat-resistant, easy to work into new shapes, and able to conduct electricity. It reflects light and heat very effectively and it doesn't rust. It reacts easily with other chemical elements, especially oxygen, and readily forms an outer layer of aluminum oxide if you leave it in the air.

Benefits

- ✓ Used in aerospace industry
- ✓ Important in transportation and building industries
- ✓ Building facades and window frames
- ✓ Used in traffic tunnels and in space shuttle.
- ✓ High temperatures in an airplane or car engine



13
Al
26.982

High Purity
Aluminum
Available in:

Pieces | Rods | Shots | Chips | Pellets | Wires | Ingots | Bars | Granules



202ICE4588C



19ZAZG01274G



202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY

INTELLIGENT MATERIALS PVT LTD

Derabassi
Punjab (140507)
INDIA

+91 9779 550077, 9779238252

NANOSHEL UK LIMITED

Chapel House,
Chapel St Cheshire,
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

NANOSHEL LLC

3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States

+1 646 470 4911

