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

**Characteristics**
- Lightweight
- Fire-proof
- Heat-resistance
- Low-density
- Corrosion resistance

**Quick Facts**
- Molecular Formula: Al
- Molecular Weight: 26.98 g/mol
- Density: 2.70 g/cm³
- Melting Point: 660 °C
- Boiling Point: 2467 °C
- Thermal Conductivity: 237 W/(mK)
- Electrical Resistivity: 28.2 2μΩcm (at 20 °C)
- Thermal Expansion: 23.1 μm/(mK) (at 25 °C)
- Young’s Modulus: 70 GPa
- Specific Heat: 0.9 J/g · K

**Purity**: 99%

**Aluminum**

**Available in:**
- Pieces
- Rods
- Shots
- Chips
- Pellets
- Wires
- Ingots
- Bars
- Granules

**ISO 9001:2015 CERTIFIED COMPANY**

**NANOSHEL LLC**
3422 Old Capitol Suit
1305 Wilmington DE - 19808
United States
+1 646 470 4911

**NANOSHEL UK LIMITED**
Chapel House, Chapel St Cheshire,
CW12 4AB United Kingdom
+44 (0) 74 105 488, +44 203 137 5187

**INTELLIGENT MATERIALS PVT LTD**
Derabassi,
Punjab (140507)
INDIA
+91 9779 550077, 9779238252