

# Zinc

High Purity Metal

## Characteristics

- ✓ Corrosion-resistant
- ✓ Good Tensile Strength
- ✓ Low toughness
- ✓ Ductile and malleable
- ✓ Good conductivity

## Quick Facts

Molecular Formula	:	Zn
Molecular Weight	:	65.39 g/mol
Density	:	7.14g/cm <sup>3</sup>
Melting Point	:	419.53°C
Boiling Point	:	907 °C
Thermal Conductivity	:	116W/(mK)
Electrical Resistivity	:	59.0μΩcm (at 20 °C)
Thermal Expansion	:	30.2μm/(mK) (at 25 °C)
Young's Modulus	:	108GPa
Shear Modulus	:	43GPa

**Purity : 99.9%**

**Zinc** is a chemical element with the symbol Zn and atomic number 30. Zinc is a slightly brittle metal at room temperature and has a blue-silvery appearance when oxidation is removed. It is the first element in group 12 of the periodic table. It has a high resistance to atmospheric corrosion and a major use is as a protective coating for iron and steel sheet and wire. Zinc is used as a protective coating to an item that is experiencing corrosion. Zinc is also used for many other applications, including, but not limited to, to make dry cell batteries, roof cladding and die castings.

## Benefits

- ✓ Drilling equipment
- ✓ Hardness testers, pinball machine balls
- ✓ Electronics and optics.
- ✓ Laboratory-grade material for lab and research use
- ✓ Used as a source of zinc in chemical processes
- ✓ used in load-bearing, dry cell batteries
- ✓ Removing paint, powder coat, e-coat, etc.
- ✓ Surface preparation for painting or coating
- ✓ Surface finishing non-ferrous components
- ✓ Removing ceramic from investment castings

## High Purity Zinc

Available in:

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



20ZICE4588C



19ZAZG01274G



20ZICE4588M

ISO 9001:2015  
CERTIFIED COMPANY



30  
**Zn**  
65.39

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