

Copper

High Purity Metal

Characteristics

- ✓ Corrosion-resistant
- ✓ Malleable, Ductile
- ✓ Excellent conductor Heat and electricity
- ✓ Higher electrical conductivity
- ✓ Very high thermal conductivity

Quick Facts

Molecular Formula	:	Au
Molecular Weight	:	196.97 g/mol
Density	:	19.3 g/cm ³
Melting Point	:	1064 °C
Boiling Point	:	3080 °C
Thermal Conductivity	:	3.18W/(mK)
Thermal Expansion	:	14.2µm/(mK) (at 25 °C)
Young's Modulus	:	79GPa
Poisson Ratio	:	0.44

Purity : 99.9%

Gold is a chemical element with the symbol Cu and atomic number 29.

It is a soft, malleable, and ductile metal with very high thermal and electrical conductivity. Copper is used in building construction, power generation and transmission, electronic product manufacturing, and the production of industrial machinery and transportation vehicles. Copper wiring and plumbing are integral to the appliances, heating and cooling systems, and telecommunications links used every day in homes and businesses.

Benefits

- ✓ Increase the efficiency of electric motors
- ✓ Major consumer of electric power
- ✓ Increasing fuel efficiency
- ✓ Industrial plumbing goods
- ✓ Contacts and switchgears and electrical wiring
- ✓ Used in the housing and telecommunications industries
- ✓ Making industrial pumps
- ✓ Welding fixtures, switchgears
- ✓ Electrical and plumbing parts

High Purity

Copper

Available in:

Pieces | Rods | Shots | Chips |

Pellets | Wires | Ingots | Bars | Granules



202ICE4588C



19ZAZG01274G



202ICE4588M

ISO 9001:2015
CERTIFIED COMPANY



29
Cu
63.546

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