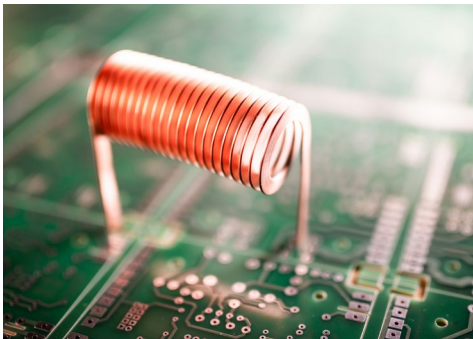


## Cu Copper



### What makes Copper special?

The transition to a low carbon economy relies on copper as a central building block. Copper plays a key role in capturing, storing, and transporting renewable energy.











Properties that make copper so in demand include:

- electrical conductivity
- thermal/heat conductivity
- anti-microbial properties
- highly recyclable
- resilience (i.e., forms a protective blue-green patina layer)

Electrical conductivity refers to the flow of electricity (electric current) through a material. As a highly conductive material, electricity flows very well through copper wire. It is the most cost-effective conductive material.

**Canada's Critical Mineral List**

Global demand for critical minerals is increasing to support the transition to a low emissions global economy. In 2021, Government of Canada announced the release of a Canadian critical minerals list. The list includes 31 minerals considered critical for the sustainable economic success of Canada and our allies. Copper and Molybdenum were both identified as critical minerals.





 Coils, Cables, Wiring, High Voltage Busbar	 Computer Chips	 Smart technology	 Batteries	 Homewares
 Electric Transportation, Electric Motors (copper coil)	 Charging Cables & Charging Stations	 Heating & ventilation	 Plumbing	 Aquaculture

## Mo Molybdenum

### What is Molybdenum?







Molybdenum is a silver-gray metal that is usually extracted as a by-product of copper and tungsten mining. Due to its unique properties, there are a wide variety of molybdenum uses.

When used in alloys, molybdenum helps increase strength, durability, corrosion resistance, and heat resistance. The demand for molybdenum is closely linked to the demand for steel. These 'moly steel' alloys are used in parts of engines. Other alloys are used in heating elements, drills and saw blades.

 Lubricant	 Alloy (steel)	 Catalyst	 Fertilizer
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


## Ag Silver

From mirrors to solar panels and water purification, Canadian mining companies produce the silver that is used in products and technologies we use daily.

 Solar Panels	 Mirrors	 3-D Printing
 Jewellery	 Medicine	 Water purification

## Au Gold

Canadian mining companies produce the gold that's used in our electronics, from hi-tech healthcare to aerospace.

 Awards	 Investment	 Jewellery
 Hi-tech healthcare	 Aerospace	 Electronics