Beryllium is a strong yet lightweight metal in high demand because of its flexibility and ability to resist heat. It is lighter than aluminum and six times stronger than steel. Beryllium’s non-magnetic properties prevent it from interfering with sensitive technologies like aircraft navigation systems, making it ideal for modern innovations.

**HOW IS BERYLLIUM USED?**

**DEFENSE**
Beryllium’s lightweight properties make fighter jets faster, and its thermal conductivity improves surveillance capabilities.

**COMMUNICATIONS**
Beryllium is resistant to corrosion and allows for greater electrical conductivity—helping us quickly transmit information.

**MEDICAL APPLICATIONS**
This heat resistant, low density metal reduces radiation levels in medical technologies while improving their functionality and efficiency.

**ADVANCED ENERGY AND AUTOMOTIVE TECHNOLOGIES**
Beryllium helps energy technologies like solar cells regulate temperatures while its spark resistance prevents combustion in technologies that use flammable fluids—like vehicle engines.

**AN AMERICAN RESOURCE**
The U.S. is the top global producer of beryllium.

1. **U.S.**
   - 275 tons

2. **China**
   - 50 tons

3. **Mozambique**
   - 2 tons

**2015 TOP 3 GLOBAL BERYLLIUM PRODUCERS (in metric tons)**

Beryllium is naturally found within bertrandite ore supply is mined in Utah.

90% of the world’s bertrandite ore supply is mined in Utah.

The U.S. produced 275 metric tons of beryllium in 2015—92 percent of beryllium mined globally that year.

**SOURCES**
- http://www.nrel.gov/aaeules/ber.jpg
- http://beryll.com/