

BERYLLIUM

AMERICA'S "MIRACLE" METAL BEHIND ADVANCED TECHNOLOGY



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.



strong



lightweight



heat resistant



flexible



non-magnetic

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.

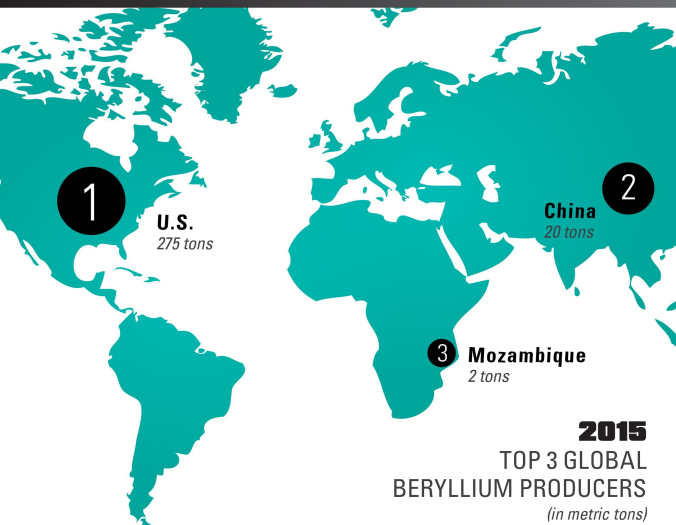


ADVANCED ENERGY AND AUTOMOTIVE TECHNOLOGIES

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.



BERYLLIUM IS PRIMARILY PRODUCED IN THE U.S. AND IS A SOURCE OF ECONOMIC GROWTH AND STABILITY.

Beryllium is naturally found within bertrandite ore



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

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