

*Angular Momentum
of Switzerland*



VULCANITE



VULCANITE/EBONITE

Angular Momentum introduces VULCANITE/EBONITE to Watchmaking

Angular Momentum has introduced EBONITE/VULCANITE, a new material to watchmaking. This exceptional material is used instead of stainless steel or non-ferrous metals such as bronze, German silver or zirconium for the construction of cases, crowns and movement holders. Ebonite prevents the flow of electric and magnetic current and acts as a capsule for vulnerable parts of the movements

The watches from the Vulcanite Collection, in combination with the ultra-bright Émail Lumineuse are named after the brightest stars in the night sky

Ebonite/Vulvanite

When you're delving into the world of materials, understanding ebonite's properties can open up new avenues for your projects. You might be curious about how to make ebonite and what makes it such a unique substance.

Key Takeaways

Ebonite is known for its exceptional hardness, durability, and electrical insulation properties, making it suitable for high-stress environments and various industry applications. Its high resistivity helps prevent the flow of electrical and magnetic current, ensuring safety and reliability. The material is chemically resistant to acids, alkalis, and harsh chemicals, maintaining integrity over time while exhibiting low moisture absorption.

History

Ebonite has historical significance, having been widely used in the 19th century for products like bowling and billiard balls and electrical insulators, showcasing its versatility.

Ebonite Material Composition

The combination of natural rubber and sulfur in ebonite's material composition gives it a distinct hardness and resilience that you're likely to appreciate. This blend allows ebonite to withstand wear and tear, making it ideal for various applications. You'll notice that its dense structure contributes to excellent electrical insulation properties. Additionally, the specific curing process enhances its overall strength and durability. As a result, ebonite's unique composition makes it a valuable material in many industries.

Durability Factors

Durability factors play a significant role in determining how well ebonite withstands wear and tear over time. You're likely to notice that its dense structure contributes to its ability to resist abrasions and impacts. When exposed to harsh conditions, ebonite maintains its integrity better than many alternatives. Its low moisture absorption rate helps prevent degradation, making it reliable in various environments. Overall, ebonite's impressive durability makes it a smart choice for long-lasting applications.

What historical significance does ebonite have in manufacturing and design?

Ebonite's historical significance in manufacturing and design is pretty remarkable. It became popular in the 19th century, especially for making items like Precision components, pump linings, tank linings for the chemical industry, pistons, spinnerets, mouthpieces for clarinets and saxophones, picks, knife handles, combs, jewelry, high-quality writing instruments, brushes, mouthpieces for tobacco pipes, dentures



VEGA

50 mm Ebonite watch case, illuminated with Émail Lumineuse hour dots in the bezel, solid Émail Lumineuse hands, covered by a curved 10 mm Acrylic crystal.
mechanical self-winding movement, the wight 90 gr







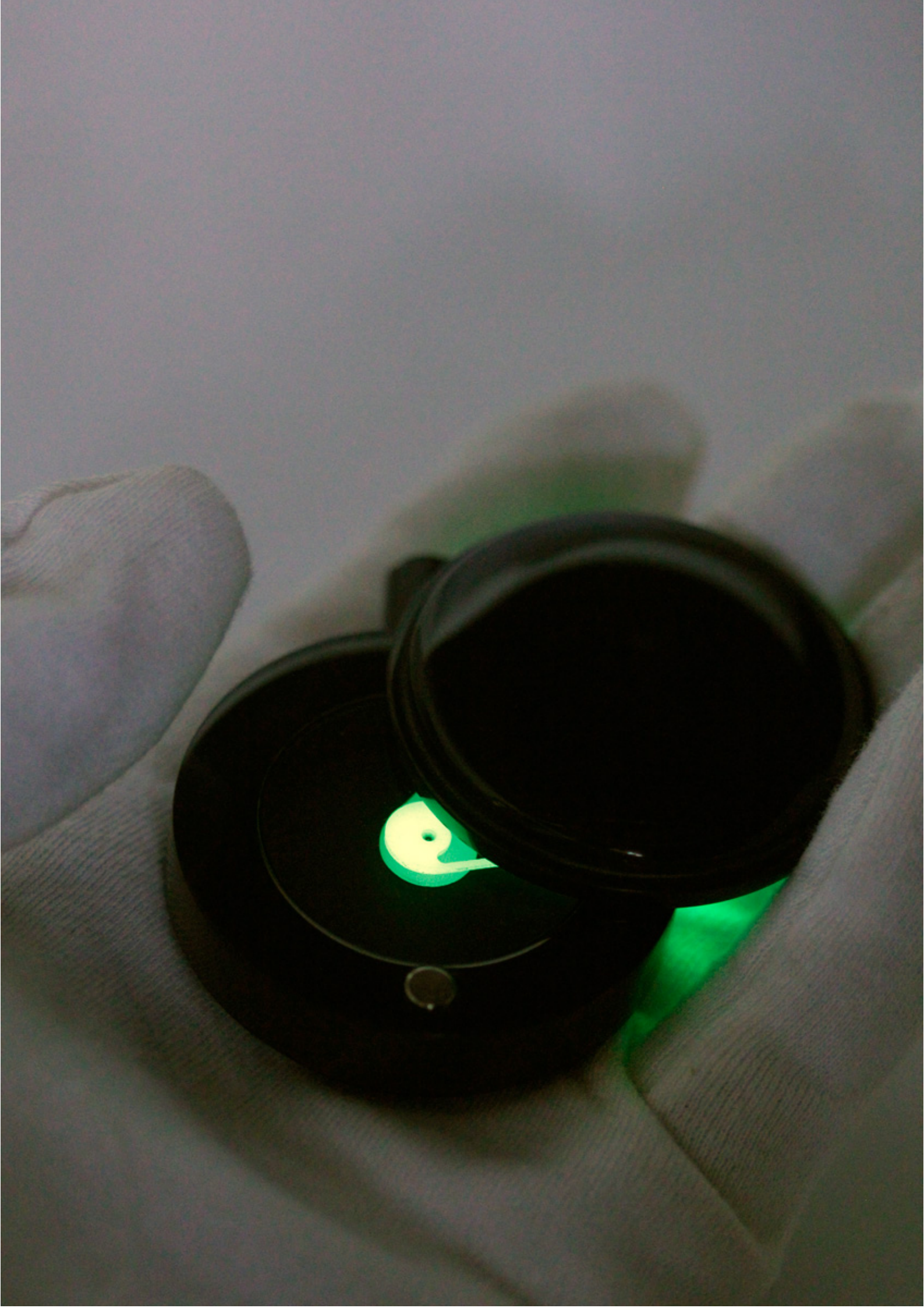




SIRIUS

Pocket Watch, Ebonite watch case 50 mm diameter and dial. The hands solid Émail Lumineuse. The cover also made from Ebonite can be switched anti-clockwise to see the dial. The cover is held in place by strong magnets. Hand-winding movement ETA 2820









ARCTURUS

Large wrist watch, 50 mm ebonite case, the bezel with inlay of Émail Lumineuse and hour dots. covered by a large, curved Acrylic glass. Automatic movement RONDA 150













CANOPUS

44 mm Ebonite watch case, hour dots in the bezel illuminated with Émail Lumineuse, solid Émail Lumineuse hands, covered by a large curved sapphire crystal. mechanical self-winding movement







