

BORIDE

Meaning: Boride is a compound consisting of boron and one or more metals, known for its hardness and thermal stability, often utilized in materials science.

1. The scientist discovered a new type of boride that exhibited remarkable hardness.
2. In the field of materials science, borides are often used for their exceptional thermal stability.
3. The manufacturing process of boride ceramics requires precise temperature control.
4. Researchers are investigating the potential of boride compounds in advanced semiconductor applications.
5. The unique properties of boride materials make them ideal for cutting tool production.
6. Boride coatings can significantly enhance the wear resistance of various metal surfaces.
7. The team presented their findings on the synthesis of boride at the international conference.
8. Historically, borides have been studied for their use in nuclear reactors due to their neutron absorption capabilities.
9. The interaction between boride and other metal alloys has been a subject of recent studies.
10. Understanding the crystallographic structure of borides can lead to new advancements in technology.

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