Boron nitride is a man-made ceramic material prized for its excellent thermal and chemical stability and lubricating properties. Our boron nitride powder can be used in products ranging from high-temperature lubricants to cosmetics.

• High electrical resistivity.
• Good thermal conductivity.
• High-temperature stability.
• Oxidation-resistant:
  — Up to 850 °C in air.
  — Up to 1400 °C under vacuum.
  — Up to 2200 °C under inert atmosphere.
• High chemical inertness.
• Corrosion resistant against many molten metals.
• Excellent lubricant.
• Non-toxic

Applications
• Electrical insulator.
• Release agent.
• High-temperature lubricant.
• Hexagonal BN used to manufacture CBN.
• Additive in cosmetics.
• Filler for silicone and resins to improve thermal conductivity.

Properties

<table>
<thead>
<tr>
<th>Short name</th>
<th>Crystal Structure</th>
<th>Typical Chemical Properties</th>
<th>Typical Physical Properties</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>O%</td>
<td>C%</td>
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<tr>
<td>M120</td>
<td>Hexagonal</td>
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<td>&lt;0.1</td>
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<tr>
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<td>Hexagonal</td>
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<tr>
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<tr>
<td>C022</td>
<td>Hexagonal</td>
<td>17</td>
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</table>

NOTE: This data shows typical values and does not represent a specification.

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