



Hexagonal Boron Nitride (hBN) Aerosol Spray (Product No: JD-hBN-SP)

High-Temperature Lubricant & Release Agent

Hex-Boron Nitride (hBN) aerosol spray provides an easy and efficient way to apply a thin, uniform coating to a wide range of surfaces, including those that are difficult to reach. It functions as a dry film lubricant, anti-stick release agent, and thermal barrier in high-temperature environments.

Key Benefits:

- Forms a durable coating that adheres well to most substrates
- Excellent dry lubrication and release performance
- Chemically inert and non-reactive
- Acts as an electrical insulator and thermal conductor

High thermal resistance:

- Up to 1000°C in air
- 1400°C in vacuum
- 1800°C in inert atmosphere
- Low thermal expansion and dielectric constant

Non-wetting surface properties:

Contains no fluorocarbons or lead; environmentally safe and ozone-friendly.

Recommended Applications:

- Welding & Brazing: Shields surfaces from spatter
- Sintering Processes: Prevents sticking and contamination
- Plastic & Rubber Moulding: Efficient mould release
- Glass Manufacturing: Extends mould and die life
- Molten Metal Handling: Resists corrosion and metal adhesion
- Casting, Forging, Extrusion & Stamping: Enhances tool life and part quality
- High-temperature industrial release coatings