

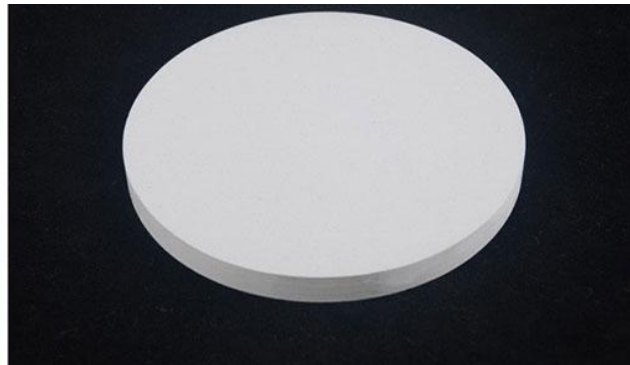


Pyrolytic Boron Nitride Disc

Pyrolytic Boron Nitride Disc is synthesized on the mold by CVD process, with BCl₃ and NH₃ at high temperature and low pressure. Nextgen Advanced Materials supplies Pyrolytic Boron Nitride Disc with high quality and fast delivery. Customization is available too.

Product Description

As the professional manufacture, we would like to provide you high quality Nextgen Pyrolytic Boron Nitride Disc. We sincerely look forward to becoming your reliable long-term business partner! Pyrolytic Boron Nitride (PBN) Disc is synthesized on the mold by CVD process, with BCl₃ and NH₃ at high temperature and low pressure. PBN products are extremely pure (99.99% or even higher) and very stable in a vacuum or inert atmosphere. They feature anisotropic thermal conductivity, making it an ideal material to make components for furnace & vacuum system.



Pyrolytic Boron Nitride (PBN) Disc Specifications

Material	PBN
Bulk Density	2.0-2.19g/cm ³
Max. Working Temperature	2400°C
Volume Resistivity (Ω·cm)	3.11*10 ¹¹
Thermal Conductivity (W/M·k)	43-60
Tensile Strength (N/mm ²)	153.86 (parallel)
Bending Strength (N/mm ²)	243.63 (parallel)
Dielectric Strength (RT) (KV/mm)	56