hexaBN®
Boron Nitrides

MATERIAL : hexaBN-A
Composition : BN>99.5%

BASIC PROPERTIES

- High purity materials BN>99.5%
- Binder less ceramic
- No react with metals
- Highest temperature (2300°C in inert)

APPLICATIONS

- Crucibles for high purity molten metals
- Nozzles for speciality alloys
- Insulators for high temperature
- Insulators and protective tubes for high temperature furnaces

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SCERAM Advanced Ceramics

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Boron Nitrides

MATERIAL : hexaBN-A
Composition : BN>99.5%

MATERIAL		HEXABN-A
Composition / binder		**BN>99.5%**
Aspect / color		**White**
Electrical	**Measuring unit**	
25°C Volume resistivity	**Ω·cm**	**$>10^{14}$**
Mecanical		
Density	**g/cm^3**	**1.9-2.0**
Flexural strength	**Mpa**	**25**
Compressive strength	**Mpa**	**80**
Thermal		
Max. use temperature	**Oxygen**	**900°C**
Max. use temperature	**Inert Gas**	**2300°C**
Max. use temperature	**High Vacuum**	**1800°C**
Coefficient of thermal expansion	**$10^{-6}/K$**	**0-2**
Thermal conductivity	**W/mK**	**50**

**These values are for informational purposes only and do not bind company's responsibility.*

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