



hexaBN[®]
Boron Nitrides

MATERIAL : hexaBN-B
Composition : BN99% - Calcium borate



BASIC PROPERTIES

- Good thermal conductivity
- Thermal shock resistance
- Electrical insulation
- Mechanical properties



APPLICATIONS

- Casting nozzles for metal industry
- Insulating parts for plasma vapor
- Deposition application
- Welding nozzles





MATERIAL		HEXABN-B
Composition / binder		BN 99% - Calcium borate
Aspect / color		White
Electrical	Measuring unit	
25°C Volume resistivity	$\Omega \cdot \text{cm}$	$>10^{13}$
Mecanical		
Density	g/cm^3	2.0-2.1
Flexural strength	Mpa	100
Thermal		
Max. use temperature	Oxygen	900°C
Max. use temperature	Inert Gas	2100°C
Max. use temperature	High Vacuum	1900°C
Thermal conductivity	W/mK	35

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