



BASIC PROPERTIES

- Good chemical stability
- Good erosion resistibility
- Good thermal shock resistance



APPLICATIONS

- Applications as continuous casting break rings
- Nozzles for metal atomizing and powder metal atomization
- Side dams for thin strip casting
- A variety of molten metal contact applications



hexaBN[®]
Boron Nitrides

MATERIAL : hexaBN-D
Composition : BN+SiC+ZrO₂

MATERIAL

HEXABN-D

Composition / binder		BN+SiC+ZrO ₂
Aspect / color		White
Electrical	Measuring unit	
25°C Volume resistivity	Ω·cm	>10 ¹²
Mecanical		
Density	g/cm ³	2.3-3.0
Flexural strength	Mpa	100
Compressive strength	Mpa	300
Thermal		
Max. use temperature	Oxygen	900°C
Max. use temperature	Inert Gas	1700°C
Max. use temperature	High Vacuum	>1700°C
Thermal conductivity	W/mK	40
Coefficient of thermal expansion	(10 ⁻⁶ /K)	4.0

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

