



hexaBN[®]
Boron Nitrides

MATERIAL : hexaBN-C
Composition : BN 60%+SiO₂ 40%



BASIC PROPERTIES

- Good thermal shock resistance
- Good corrosion resistance
- Creep resistance performances
- Extreme and exacting dielectric properties



APPLICATIONS

- For applications requiring extreme and exacting dielectric properties





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MATERIAL

HEXABN-C

Composition / binder		BN 60%+SiO ₂ 40%
Aspect / color		White
Electrical	Measuring unit	
25°C Volume resistivity	Ω·cm	>10 ¹³
Mecanical		
Density	g/cm ³	2.08-2.15
Flexural strength	Mpa	75
Thermal		
Max. use temperature	Oxygen	1000°C
Max. use temperature	Inert Gas	1000°C
Max. use temperature	High Vacuum	>1000°C
Thermal conductivity (20°C)	W/mK	58
Thermal conductivity (1100°C)	W/mK	65
Coefficient of thermal expansion (25-1000°C)	(10 ⁻⁶ /K)	2.7-3.2

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

