



hexaBN[®]
Boron Nitrides

MATERIAL : hexaBN-E
Composition : BN75%+AlN25%



BASIC PROPERTIES

- Higher hardness
- Good wear resistance
- High mechanical strength
- Thermal conductivity
- Used as gears offer a reliable driving performance



APPLICATIONS

- Insulator
- Component for semiconductor equipment
- Jig material for molding glass
- Bearing and cogwheel





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MATERIAL

HEXABN-E

Composition / binder		BN75%+AlN25%
Aspect / color		White
Electrical	Measuring unit	
25°C Volume resistivity	$\Omega \cdot \text{cm}$	$>10^{14}$
Mecanical		
Density	g/cm^3	2.5-2.6
Flexural strength	Mpa	130
Compressive strength	Mpa	250
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	60
Coefficient of thermal expansion	$(10^{-6}/\text{K})$	4.5

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

