

Material	Aluminium Nitride		
	AIN-170	AIN-200	AIN-230
Density (g/cm ³)	3.3	3.28	3.25
Flexure strength (MPa)	450	400	350
Young Modulus (GPa)	320	/	/
Poisson's ratio	0.25	0.25	0.25
Compressive strength (MPa)	2000	2000	2000
Hardness (HV)	1100	1100	1100
Fracture toughness (MPa*m ^{1/2})	3	3	3
Maximum working temperature (°C)	1100	1100	1100
Thermal conductivity (W/m*K)	180	200	230
Thermal expansion coefficient (/°C)	4*10 ⁻⁶	4*10 ⁻⁶	4*10 ⁻⁶
Thermal shock resistance (ΔT °C)	>800	>800	>800

* The actual product may have slight differences due to factors such as the composition of the raw material, molding and sintering process, etc.