



Advanced Material & Metal Compounds

Aluminum Nitride Powder and Target



Aluminum Nitride Powder and Target, AlN, 99.9% 99.99% 3N 4N, white to pale color, crystalline solid material. Specific Gravity 3.26g/cm³, hexagonal, melting point at 2200°C; boiling point at 2517°C, decomposes in water, alkaline and acids.

Aluminum Nitride AlN is of high thermal conductivity, good thermal expansion coefficient ($4.3 \times 10^{-6}/^{\circ}\text{C}$), good mechanical property, very high electrical resistivity and low dielectric loss, Non-toxic and

environment friendly

Aluminum Nitride, AlN, highly effective sputtering targets and components, processed by Vacuum Melting, Thermo-mechanical process and Sintering, is widely used in electrical, microelectronics, Optics, Solar Photovoltaic, Wear Protection for coating processing industry, telecommunications and research satellites, railway systems, and emission control systems.



No.	Items	Standard Specification				
1	Purity	>99.9%				
2	Chemical Composition %	N	C	O	Fe	Ca
		>33.0	≤0.02	≤0.70	≤0.002	≤0.001
3	Size	Powder	-40, -60, -325mesh or Nano grade			
		Target	Disc D(25~300) X T(3~10)mm or Oval or Rectangular			
4	Relative Density	90-95%				
5	Analyzed by	Spectroscopy Analyzer				
6	Packing	In vacuum plastic bag, with carton box outside.				
7	Remarks	Other specification and shape are available upon request				