

Aluminum Nitride

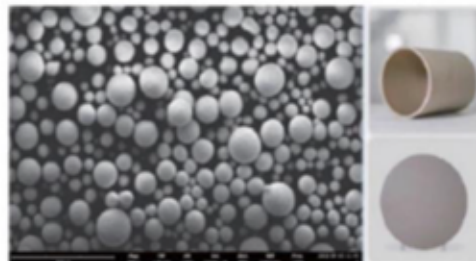
窒化アルミウム

Application

1. Because of the piezoelectric properties of aluminum nitride, the extensional extension of aluminum nitride crystals is also used in surface acoustic wave detectors. The detectors are placed on silicon wafers. There are very few places where these thin films can be reliably made. 2. Aluminum nitride ceramics have high room temperature and high temperature strength,

small coefficient of expansion, good thermal conductivity, can be used as high temperature structural parts of the heat exchange equipment materials.

3. Aluminum nitride ceramics can be used as crucible and casting mold material for melting of Al, Cu, Ag, Pb and other metals by virtue of its corrosion resistance of iron, aluminum and other metals and alloys.



Item		H-2	M-2
(m ² /g) Specific surface area		>3.0	>2.0
(μm) Mean particle size		<1.5	<1.7
Impurity	o(wt)%	≤0.95	50.95
	C(ppm)	≤350	≤400
	Ca(ppm)	≤200	5300
	Si(ppm)	≤50	≤70
	Fe(ppm)	≤20	≤30