



Aluminum Nitride Rod

Aluminum nitride is a high-performance material particularly suited to demanding electrical applications. Nextgen Advanced Materials supplies aluminum nitride rod that is stable at high temperatures in a range of inert environments including hydrogen and carbon dioxide atmospheres. Customization is also available.

Product Description

You can rest assured to buy Nextgen Aluminum Nitride Rod from our factory and we will offer you the best after-sale service and timely delivery. Aluminum nitride is a high-performance material particularly suited to demanding electrical applications. Aluminum nitride can be produced by dry press and sinter or by hot pressing with appropriate sintering aids, whose processes results in a material that is stable at high temperatures in a range of inert environments including hydrogen and carbon dioxide atmospheres. Aluminum nitride rod is principally used in the electronics area, particularly when heat removal is an important function. Aluminum nitride properties also make it particularly useful in the creation of corrosion-resistant products.



Property of Aluminum Nitride

Item	Unit	Parameter
Thermal Conductivity	30°C W/m.k	≥170
Density	g/cm ³	3.335
Copper bonding capacity	N/cm ²	≥20N
Flexural strength	MPa	382.7

Dielectric constant	1MHz	8.56
Thermal conductivity of copper	W/m.K	385
Rockwell hardness	HRA	80-90
Surface roughness	μm	0.3~0.5
Warping degree	length‰	$\leq 2\%$