



Nitride Bonded Silicon Carbide Bricks

Engineering Ceramic as the professional manufacturer, we would like to provide you Nitride Bonded Silicon Carbide Bricks. And we will offer you the best after-sale service and timely delivery.

Product Description

Engineering Ceramics Co., Ltd. is a Nitride Bonded Silicon Carbide Bricks manufacturer and suppliers in China. We have cooperated with LIRR, whom is the largest Nsic Bricks manufacturer in China and also the largest in the world, get over 40% world market share, 30,000 tons annual production capability, provide the full technology and raw materials to us.

Nitride Bonded Silicon Carbide bricks is widely used in as lining brick of large aluminum electrolytic cell, as high performance refractory, the bricks provides improved thermal conductivity, rapid cooling and increases in tank capacity. On its surface can form alumina and cryolite of eutectic content which can protect the tank lining work layer, prolong the tank's service life.

Nitride Bonded Silicon Carbide Bricks Advantage Performance:

High thermal conductivity

Excellent cryolite melt and liquid aluminum resistance

High electrical resistivity

Low thermal expansion

Low porosity

Nitride Bonded Silicon Carbide Bricks Properties

Item	Nitride Bonded SiC Brick	
SiC %	≥70	
Si3N4 %	≥20	
Bulk density g/cm3	≥2.65	
Apparent porosity %	≤17	
Cold crushing strength MPa	≥150	
Modulus of rapture	Room temp.	≥30

MPa		
Refractoriness under load°C (0.2MPa, 0.6%)		≥1700
Max service temperature °C		1600

Engineering Ceramic Co., Ltd's (Brand EC) has been able to provide solutions for refractories industry based on we are a member of China Refractory Association and the China National Silicon Carbide Ceramic Products Standard Committee member. Now our Chinese Nitride Bonded Silicon Carbide (NSiC) bricks factory has a China National Certified Laboratory, the ISO9001 quality management system certification, ISO41001 environmental management system certification, and OHSAS18001 occupational health & safety management system certification. Engineering Ceramic Co., Ltd's (Brand EC) Chinese factory founded in 2003, as the professional Nitride Bonded Silicon Carbide (NSiC) Bricks manufacturer and supplier in China, we have rich experience for quality control, packing and delivery, every purchase order will have a tolerance inspection report, our packing department can ensure the cargo under safety and faster shipment.