



Silicon Nitride Nozzle

The silicon nitride nozzles have the characteristics of oxidation resistance, high temperature strength and less sputter adhesion, which can prolong the service life of the welding parts. Nextgen Advanced Materials supplies the Silicon Nitride Nozzle with high quality and fast delivery. Meanwhile, the customization is available.

Product Description

High quality Silicon Nitride Nozzle is offered by US manufacturer Nextgen Advanced Materials INC. Silicon nitride nozzle and cover is a man-made composite product synthesized through several different chemical reaction methods. Due to the even performance in high temperature, Si3N4 is a commonly used ceramic material in the metallurgical industry. It has excellent thermal shock resistance due to the microstructure. The creep and oxidation resistance of Si3N4 is also superior, its low thermal conductivity and high wear resistance also make it an outstanding material that can withstand conditions of most industrial applications.

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Tel: +86-818-9683600

E-mail: sales@nexgematerials.com

Grey
ical Properties
3.21 g/cm3
3000 MPa
800 MPa
15
6.5 MPa m^1/2
320 GPa
0.28
16 GPa
al Properties
1200°C
1100°C
28 W/mK
16 W/mK
2*10-6/K
3.510-6/K
600 K
15 W/mm
cal Properties
10^12 Ωcm
10^7 Ωcm
6 MHz

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