



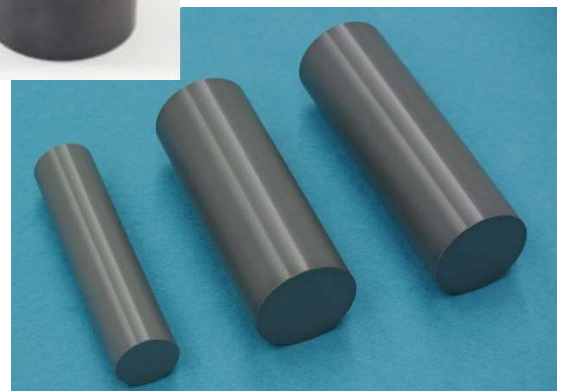
For structures

Si_3N_4 (Silicon Nitride)

We can synthesize raw materials inexpensively using by-products of polycrystalline silicon, introduce Si_3N_4 manufacturing technology of Japan using cheap labor and cheap energy, high quality and low price Si_3N_4 products can be provided became.

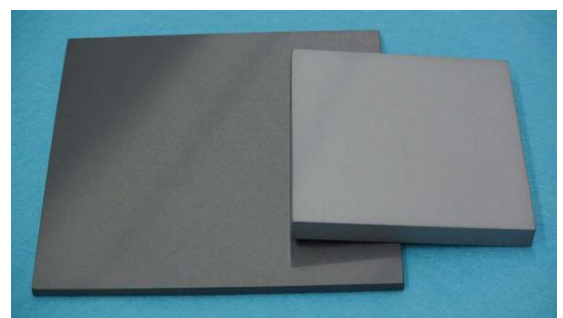
Characteristic

- Gas pressure sintering: Provide inexpensive and dense Si_3N_4 sintered body products using raw materials, gas, electricity etc. manufactured at our company.
- Maximum diameter ϕ 510 mm, maximum length 1200 mm, maximum thickness: Consult with shape.



Physical properties

	Type	JS-110	JS-120
Color		Black	Gray
Density	g/cm^3	3.24	3.24
Water absorption	%	0	0
Bending strength	MPa	700	700
Coefficient of elasticity	Gpa	300	300
Poisson's ratio		0.27	0.27
Thermal Conductivity	$\text{W/m} \cdot \text{K}(\text{RT})$	25	25
Electrical resistance	$\Omega \cdot \text{cm}(\text{RT})$	$>10^{14}$	$>10^{14}$



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