

Ceramic Silicon Nitride Base



Material	Size	Color	Accuracy	Maximum Temperature	Circular Runout	Perpendicularity	Circularity	Parallelism	Applications	RoHS	Aluminum (Al)	Yttrium (Y)	Titanium (Ti)	Oxygen (O)	Carbon(C)	Other impurities less than	Density(g/c m.3)	Hardness(Hv)	Bending strength (Mpa)	Compression strength (Mpa)	Elastic Modulus (GPa)	Fracture toughness (Mpa.m ^{1/2})	Coefficient of thermal expansion(10 ⁻⁶ /°C)
Silicon Nitride (Si3N4)	Black	10x25x10mm	0.008mm	800°C(1472°F)	12um	12um	10um	15um	Chemicals,aerospace,medicine,environmental prot.	Compliant	2.0~3.5%	4.0~5.0%	1.0~1.5%	4.5~6.0%	0.3~0.8%	0.001	≥3.20	1400~1600	>800	>4000	300~315	6~8	2.2~3.0