

HUANGHE MINERALS CO.,LIMITED PRODUCTS SPECIFICATION PRODUCT SIC/SI3N4/B4C

VERSION: 2006 CODE: T/P/QA

ORIGIN: CHINA / NX-HZ-TS

Code	SIC Green SIC 98G	SIC Black SIC 98B	SIC97B	SIC90B	SI3N4 SI3N4	SI3N4-FE		B4C	
Chemical prope	erty								
FE2O3 F.C Free SI Al2O3 Magnetic	99 0.25 0.25 0.7 0.2 0.02	98.5 0.3 0.3 0.7 0.2 0.040	97 0.5 0.5 0.5 0.3 0.08	90-92 1.5 3.0 0.3 0.5 0.10	Si3N4 80-90 Fe2O3 1 SiO2 2.5-4.5	Si3N4 Fe Fe.Si SI N	70-80 12-17 1 45-50 27-32	B4C Fe2O3 SI C B	96-98 0.25-0.45 0.2-0.4 17-19 77-80
Physical propert	ty								
AP Particle BD Appearance	6-9 Green	6-9 3.20 g/cc Black	6-9 3.20 g/cc Black	6-9 3.10g/cc Black	Grey powder	PD 0.25g/cc Grey powder		2.52g/cc Black	
Mineralogy						TANK!			
Crystal Hardness True density Decomp temp Water absorb	Hexagon 9.5 Moh 3.21 g/cc 2600C 2-4%	Hexagon 9.5 Moh 3.21g/cc 2600C 2-4%	9.5 Moh 3.21 g/cc			Densify 0.5 g/cc 3.5g/cc		9.5 2.52g/cc 2450 Melting point	
Size	1.grains like 0-1/1-3/3-5mm, 8x10M, 10x18M,18x35M,35x70M,-18F,-35F ISO, DIN, JIS, ASTM 2.Raymond milled powder –200mesh, -300mesh 3.Fepa abrasive grade for boned F8-220 and coated P12-220 abrasives								
Pack	In 1mt bags / 25kg bags in big bag / 25kg bags on pallets shrink-wrapped								
Application	* Green silicon ca * Black silicon car * Black silica carb * Si3N4, si3N4-Fe anti-metallic ero * B4C resist highe abrasive and refi	rbide 98,97 c pide 90 or lov are high ha sion materia er temperatu	an be used ver are mair rdness, high Ils which are ire, chemica	both for ab nly used for n melting po used for to	rasive application refractory, metal pint, stable, low tl apping hole mix i	n and also lurgical, fo hermal ex n iron ma	refractory oundry app pansion,go king indus	application. plication. ood anti-c stry, -200m	oxidizing, nesh
Description	High pure quartz and coal or petro-coke, fused in electric resistance furnaces in 2500C to form large crystal, high density silica carbide. Its high hot resistance, hardness, thermal conduct, lower thermal expan, high thermal shock resistance. Is valuable elements for refractory and ceramics				B4C are made from high pure boric acid and carbon powder in high temperature furnaces. It was widely used for abrasive industry and refractoriness industries. Si3N4 and si3N4-Fe are made from metallic silicon powder or ferr-silicon powder, synthetic in Nitrogen furnaces.				