



HUANGHE MINERALS CO.,LIMITED		Version:2006
PRODUCTS SPECIFICATION		Code:T/P/qa
Product	Tabular alumina/sintered corundum/ black corundum/Ceramic Heat reserve Media	Origin:China/JS/TJ

Code	STA-99	BTA-80	BTA-88	BTA-93	BCA-90M	NMC-75	NMC-60
Al ₂ O ₃	99	80	88-90	93	90(92)	70-75	60
SiO ₂	0.2	14	4-6	3	3(2.5%)	27	37
Fe ₂ O ₃	0.2	1.7	1.2-1.8	1	1(0.6%)	1-1.7	2
R ₂ O	0.3	0.3	0.3		0.3	0.3	0.3
CaO	0.1	0.5	0.4		0.5	0.5	0.5
MgO	0.1	0.1	0.1				
TiO ₂	0.1	3.8	3.8	3	3.5	3.5	3
ZrO ₂	Nil	Nil	Nil	NIL	Nil	NIL	NIL
Refractoriness							
AP	3	3	3	2%	3	5	5-10%
Particle BD	3.55G/CC	3.0G/CC	3.3-3.5G/CC	3.75G/CC	3.45(3.55)G/CC	2.7-2.9	2.5-2.7
Liner Expan co-eff							
Appearance	White	Grey	Grey	Grey,BROWN	Cream-GREY	GREY-CREAM	CREAM
Glass phase	0	5-10	1-5	1-5	1-5	5-15	5-15
Mullite phase	0	15-25	5-15	1-5	5-10	5-90	60-80
Corundum	99	65-80	75-90	90	80-90	1-15	5-15
Rutile				1-5	1-5		
Size	1.ball or pellet or cylinder shapes,grains like 0-1/1-3/3-6mm,6x14mesh,14X30mesh,-40mesh apply ISO,JIS,DIN,ASTM standard 2.Raymond milled powder -200mesh,-300mesh						
Pack	In 1mt bags/25kg bags in big bag / 25kg bags on pallets shrink-wrapped						
Application	Above synthetic alumina silicate minerals, composed of different percentage of corundum,mullite and amorphous glass phase, which can be widely used in refractory application, which need higher refractoriness, higher anti-abrasion, higher hardness, higher thermal shock resistance, good anti-spalling, anti-creep character, can be used in shaped and monolithic capping application for casting, shot-creating and gunning application.						
Description	Use high purity Bayer al ₂ o ₃ or selected alumina silicate minerals, homogenized, milled and shaped and calcined in Shaft kiln, rotary kiln or tunnel kiln in a well controlled temperature, to form a well developed mineral phase of corundum phase, mullite phase, amorphous glass phase, which can be used in higher temperature application, with higher refractoriness, good thermal shock resistance, anti-creep, as well as good abrasion character.						