



HUANGHE MINERALS CO.,LIMITED
PRODUCTS SPECIFICATION
PRODUCT SINTERED SPINEL

VERSION: 2006
CODE: T/P/QA
ORIGIN: CHINA / JS-SX-HN

Code	SMAS-90A	SMAS-78A	SMAS-66A	SMAS-70B	SMAS-66B
Chemical property					
Al ₂ O ₃	88-91	76-79	64-67	64-66	58-62
SiO ₂	0.2	0.3	0.4	4.0	3.5
Fe ₂ O ₃	0.2	0.5	0.5	1.5	1.5
R ₂ O	0.3	0.3	0.5	0.5	0.5
CaO	0.4	0.5	0.6	1.5	1.5
MgO	9-11	21-24	32-35	24-26	30-32
TiO ₂	Nil	Nil	Nil	2.7	2.7
ZrO ₂	Nil	Nil	Nil	Nil	Nil
Physical property					
Refractoriness					
AP	5	5	5	5	5
Particle BD	3.30 g/cc	3.25 g/cc	3.20 g/cc	3.10g/cc	3.10g/cc
Liner Expan					
Appearance	White	White	Cream-white	Grey Pink	Grey-pink
Mineralogy					
Glass phase					Spinel phase=85%min
Mullite phase					
Corundum					
Cristobalite					
Size					
	1.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					
	90A and 78A are Al ₂ O ₃ rich spinel, used for Alumina based refractory system, 66A,66B, 70B are Mgo rich spinel used for basic refractory system. Mgo rich spinel has excellent thermal shock resistance, applied in cement kiln, glass furnaces, to replace the Mgo-Cr brick. Al ₂ O ₃ rich spinel used in ladle castables, add 15% spinel, will improve thermal shock, anti-slag performance and increase refractory hot strength				
Description					
	Use high pure Bayer Alumina and High pure Magnesite mixing in right ratio and milling, palletizing, calcinations to form good spinel crystals.		Use selected higher grade bauxite and high grade magnesite, mixing in ration, milling, palletizing or bricked, calcinations in high temperature and form spinel crystals. Which has micro-expanding in high temperature.		
Price					