

**HUANGHE MINERALS CO.,LIMITED****PRODUCTS SPECIFICATION****PRODUCT SINTERED MULLITE / ZIRCON CORUNDUM****VERSION: 2006****CODE: T/P/QA****ORIGIN: CHINA / YIMA**

Code	SMUL-70A	SMUL-60A	SMUL-ZR25	SMUL-70B	SMUL-60B	SMUL-45	SMUL-45NC
Chemical property							
Al ₂ O ₃	70-73	58-61	74-76	70	60	45-49	41-43
SiO ₂	26-29	38-41	0.3	27	37	47-53	53-55
Fe ₂ O ₃	0.5	0.5	0.3	1.5	1.3	0.5-1	0.4
R ₂ O	0.5	0.6	0.5	0.25	0.25	0.2	K ₂ O<1.5 Na ₂ O<0.2
CaO	0.3	0.4	0.5	0.5	0.5	0.3	0.3
MgO	0.3	0.4	0.5				0.3
TiO ₂	0.1	0.1	Nil	2.75	2.5	1-2	0.8
ZrO ₂	Nil	Nil	23-25 **	Nil	Nil	Nil	Nil
Physical property							
Refractoriness							
AP	3	4	4	3	3	3	7
Particle BD	2.80g/cc	2.70g/cc	3.9g/cc	2.85g/cc	2.75g/cc	2.5-2.6 g/cc	2.45g/cc
Liner Expan	4.60x10 ⁻⁶	-4.70x10 ⁻⁶					4.4x10 ⁻⁶
co-eff							
Appearance	White	White	Yellow	Grey-yellow	Grey	White	White
Mineralogy							
Glass phase	5-10	15-20		10	20	25	45
Mullite phase	90-95	80-85		90	80	65	55
Indined ZrSiO ₄	--		25				
Corundum	--		75				
Cristobalite				Tr	Tr	10	
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	High purity, high refractoriness, used for castables for steel, glass industry. Zircon corundum fused for sliding plante. *ZrO ₂ with 25%, 30%,15% are all available.			Homogenous alumina silicate aggregate for making high alumina castables, it has good thermal shock resistance, anti-creeping, also the NC can be used for making kiln furniture and foundry sand.			
Description	High pure Bayer Al ₂ O ₃ mixed with high pure kaolin, wet-mill, vacuum extrude, calcined in shuttle kiln to form well developed mullite crystal.			High purity bauxite mixed with high pure kaolin, wet-mill, vacuum extrude, drying and calcined in rotary kiln to form the mullite phase.			
Price							