



**HUANGHE MINERALS CO.,LIMITED**  
**PRODUCTS SPECIFICATION**  
**PRODUCT FUSED CORUNDUM**

**VERSION: 2006**  
**CODE: M/P/QA**  
**ORIGIN: CHINA / YIMA**

	FAW99	FAW99-bubble	FAG98	FAG98 OT	FAB95	FAB77
	White corundum	bubble al2o3	Grey corundum	Oxygen Treated	Brown corundum	Black corundum
<b>Chemical</b>						
Al2O3	99	98.5	97.5 (98)	98 (98.5)	95-97	77
Fe2O3	0.1	0.15	0.25	0.2	0.3	6
SiO2	0.1	0.3	0.5	0.5	1.2	9
TiO2	0.1	0.1	1	1	3.2	3.5
Na2O	0.3	0.3	--	--	--	--
CaO+MgO	--	--	0.4	0.4	0.4	--
T.C	Nil	--	--	0.1	--	--
<b>Physical</b>						
BD	3.60g/cc	0.5-1g/cc	3.85g/cc	3.9g/cc	3.9 g/cc	3.5g/cc
AP	3-7%	Broke rate <15%	1-3%		1-3%	
Liner Expan	8.3 (1600C)	--	8.5 (1600C)		8.5 (1600C)	7-9(1600C)
Hardness	9	--	--		9	9
Melting point	2050C	2050C	2050C		2040C	2000C
<b>Description</b>						
	High pure bayer Al2O3 fused in Higgins/Tilting EAF to form white corundum. Bubble Al2O3 obtained from high pressure air blowing hot Al2O3 liquid to get hollow sphere polycrystalline al2o3.		Selected abrasive grade Bauxite, mixed with carbon sources and iron fillings fused in EAF, Thermal Melting Reducing Reaction occurred. Impurities like SiO2, Fe2O3, TiO2 being reduced to form metal or alloy down to bottom, Al2O3 being extracted and improved to form tough dense corundum. OT=oxygen lance blowing into hot liquid in final refining stage to remove carbon.			
<b>Size</b>						
	1.Split size: 0-1/1-3/3-5/5-8mm @ FAW99 bubble Al2O3 size 0.2-5mm 2.Grade size: 3x6mesh, 6x10mesh, 6x16mesh, 16x30mesh apply ISO, JIS, DIN, ASTM standard 3.FEPA size for abrasive industry, Bonded abrasive F4 to F220, coated Abrasive P12-P220 4.Raymond Milling to -100mesh, -200mesh, -325mesh 90%min or DIN70					
<b>Grain shape</b>						
	Cubic and blocky shape crushed by Barmac crusher/ Angular shape crushed by roller or cone crusher					
<b>Pack</b>						
	1.In 1mt square super-sack 2.25kg/50kg small bags in 1mt square super-sack / 25/50kg small bags on pallets wrapped.					
<b>Price</b>						
<b>Application</b>						
	FAW99, FAB95 applied on abrasive industry for bonded and coated abrasives grits. FAW99, FAG98, FAG98-OT, FAB95, can be used for high alumina, high refractoriness aggregate. FAW99-bubble used for high temperature insulating shapes.					