

HUANGHE MINERALS CO.,LIMITED		Version: 2020
PRODUCTS SPECIFICATION		Code: P/QA
Product	Fused Alumina	Origin: China / HENAN

	WFA 99	Bubble A99	DFA 99	GFA98	BFA 95	BFA92
	White Fused	Bubble alumina	Dense fused	Grey Fused	Brown Fused Alumina	
Chemical						
Al2O3	99 (99.5)	99	99	97-98	95-97	92-94
Fe2O3	0.1	0.15	0.15	0.3	0.5 (0.3)	0.5
SiO2	0.1	0.15	0.5	0.5	0.8-1.5	1-4
TiO2	0.05	0.05	0.1	1	3.2	2-5
Na2O	0.25	0.3	0.1	0.1	0.1	0.1
Cao+MgO	Nil	Nil	0.1	0.5	0.8	0.8
Magnetic	Nil		0.05	0.05	0.05	0.1
Physical						
BD	3.60g/cc	P.D 0-1=0.85-0.95	3.90g/cc	3.9g/cc	3.85 g/cc	3.75g/cc
AP	7%	P.D 1-2=0.75-0.85	2%	1%	1%	21%
Liner Expan	8.3 (1600C)	P.D 2-3=0.65-0.75	8.5 (1600C)		8.5 (1600C)	7-9(1600C)
Hardness	9	P.D 3-5=0.6-0.7			9	9
softening	1900C	1900C	1900C	1850C	1800C	1800C
Melting	2050C	21000	2050	2000	1950C	1950
Description						
	Use selected high purity and low soda calcined alumina fused in EAF (Higgins/Tilting) at 2050C to get a homogenous liquid, programmed cooling to get an ideal crystal size alpha alumina corundum. Bubble Al2o3 obtained from high pressure air blowing hot melting Al2O3 liquid to get hollow sphere shape light weight polycrystalline al2o3, applied widely in extra high insulating application.			Selected abrasive grade Bauxite mixed with carbon sources and other patent materials in right ratio, fused in EAF @ 2050C to liquid phase, thermal reducing reaction occurred. Impurities in bauxite like SiO2, Fe2O3, TiO2 being transformed to metal or alloy and condensed down to bottom, Al2O3 being released and extracted to get dense high dense corundum.		
Size	<ul style="list-style-type: none"> ISO: 0-0.2mm, 0.5-0.5mm, 0.5-1mm, 0-1mm, 1-3mm, 3-5mm, 5-8mm Tyler/ASTM: 3x6mesh, 6x10mesn, 10x20mesh, -20mesh, 16x30mesh, 30x60mesh 6x14mesh Fines: -100mesh, -200mesh, DINN70, -230mesh, -325mesh Bubble will be sieved as: 0-5mm, 0-0.2, 0.2-1, 1-3, 3-5mm 					
Grain shape	Cubic and blocky shape / Angular shape all available					
Pack	<ul style="list-style-type: none"> In 600kg, 750kg, 900kg 1000kg, 1250kg, 1500Kg square super-sack 25kg/50kg small bags in 1000-1250kg square 25/50kg small bags on pallets wrapped. 					
Application						
Application	WFA99, DFA99, GFA98, BFA95, BFA92 applied in dense refractory shape and castable. Bubble 99, can be used for high temperature insulating and light weight shapes, bricks and fillers.					

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