

**HUANGHE MINERALS CO.,LIMITED****PRODUCTS SPECIFICATION****PRODUCT FUSED SILICA****VERSION: 2006****CODE: M/P/QA****ORIGIN: CHINA /HZ**

Code	FS	Size distributaries
	FS-1 FS-2	4/10 mesh
Chemical property		
		(+4.75mm—15%max, +3.35mm—20-50%, +2mm—30-60%, -2mm—2-15%max)
		10/20 mesh
		(+2mm—0-1%, +0.85mm—80-95%, -0.85mm—2-15%)
Sio2	99.9 99	-6/50mesh
Fe2O3	50ppm 100ppm	(+3.35mm—0-1%, +2.36mm—0-15%, +2mm—5-25%, +0.85mm—25-70%,
Al2O3	150ppm 200ppm	+0.6mm—10-40%, +0.425mm—10-30%, -0.425mm—5-15%)
Na2O	30ppm 50ppm	20/50 mesh
K2O	30ppm 50ppm	(+0.85mm—0-1%, +0.6mm—25-40%, +0.425mm—32-45%, +0.3mm—15-30%,
Mgo	10ppm 20ppm	-0.3mm—12%max)
CaO	30ppm 50ppm	30/50 mesh
Magnetic	10ppm 50ppm	(+0.85mm—0-0.5mm, +0.6mm—25-35%, +0.425mm—34-48%, +0.3mm—16-32%,
Physical property		
		-0.3mm—10%max)
		50/100 mesh
Natural size	Ingot or cullets	(+0.3mm—3-13%, +0.15mm—72-87%, +0.106mm—5-16%, -0.106mm—0-5%)
Bulk Density	2.18-2.2	-100°F
		(+0.3MM—0-1%, +0.15MM—4-12%, -0.15MM—88-95%)
LTE co-eff	0.5x10-6	-200°F
20-700C		(+0.15mm—0-1%, +0.106mm—0-5%, +0.75mm—3-9%, +0.045mm—13-20%,
Mineralogy		
		-325mesh—69-81%)
		-270°F
Amorphouse glass	99.9%	(+0.15mm—0-1%, +0.106mm—0.2%, +0.075mm—1-5%, +0.045mm—8-17%,
		-325mesh—80-86%
Cristbolite	Nil	-325°F
		(+0.045mm—0-5%, -325mesh—95-100%)
Appearance		
Appearance	Fused silica is clear glass, with minor black line and spots.	
Pack		
Pack	In 1mt bags / 25kg bags in big bag / 25kg bags on pallets shrink-wrapped	
Application		
Application	Fused silica is amorphous silica, which has extremely low thermal conductivity and excellent shock resistance and higher refractoriness, so it was widely used in investment casting due to its extremely low thermal expansion, it was also used in casting fused silica nozzles, rollers, glass furnaces castables and bricks. In the mean while the super grinded powder also has a wide application in micro-electronic industries for sealing of SLSI, epoxy stuffing.	
Description		
Description	Use selected high pure silica sand >99%, after acid washing, water washing, drying and fused in electric furnaces to produce higher grade amorphous glass ingot, with experienced manually graded and put into state of art crushing, grinding, milling and blending system to get requested quality grains, flours, and blends for refractory, investment casting, electronic industries. It has extremely lower iron, Potassium and sodium oxide.	
Price		