

China GB Standard on Brown Fused Alumina (BFA)

Part I: Chemical Content Standard GB/T3043-2000

Size#		Chemical Contents(%)		
		Al ₂ O ₃	TiO ₂	CaO
A A-P ₁	4#~80# (P8~P80)	95.00~97.50	1.50~3.80	≤0.45
	9#~150# (P180~P220)	94.00~97.50		
	180#~220# (P180~P220)	93.00~97.50		
	Finer Grades than 220#(P220)	≥92.00		
A- B A-P ₂	4#~80# (P8~P80)	≥93.00	1.50~4.20	/
	90#~220# (P100~P220)	≥91.00		/
	Finer Grades than 220#(P220)	≥90.00	≤4.50	/
A-S	16#~220#	≥92.00	≤4.20	/

Part II: Brown Fused Alumina Chemical Analysis Typical Size#

Size Range	Typical Size#
4#~80#(P8~P80)	46# (P40)
90#~150#(P100~P150)	120#(P120)
180#~220#(P180~P220)	180#(P180)
Finer Grades than 220#(Finer Grades than P220)	W14(P600)

Part III: Brown Fused Alumina Sampling Rules SN/T0357-95

Table 1 Brown Fused Alumina Abrasives Sizes

Total Product Quantity N	Check on size#, quantity and packing n& (Ac.Rc)	Quality Check nl
1-3	n=N(0,1)	nl=N
4-8	n=3(0,1)	nl=3
9-50	n=5(0,1)	nl=3
51-150	n=5(0,1)	nl=5
151-500	n=5(0,1)	nl=8
501-3200	n=20(1,2)	nl=13
3201-35000	n=20(1,2)	nl=20

Table 2 Brown Fused Alumina Non-abrasives Sizes 1st Grade

Total Product Quantity N	Check on size#, quantity and packing n& (Ac.Rc)	Quality Check nl
1-3	n=N(0,1)	nl=N
4-15	n=3(0,1)	nl=3
16-25	n=5(0,1)	nl=3
26-90	n=5(0,1)	nl=5
91-150	n=5(0,1)	nl=8
151-280	n=5(1,2)	nl=13
281-500	n=5(1,2)	nl=20
501-1200	n=20(1,2)	nl=32
1201-3200	n=20(1,2)	nl=50
3201-10000	n=20(1,2)	nl=80

Table 3 Brown Fused Alumina Non-abrasives Sizes 2nd Grade

Total Product Quantity N	Check on size#, quantity and packing n& (Ac.Rc)	Quality Check nl
1-3	n=N(0,1)	nl=N
4-8	n=3(0,1)	nl=3
9-15	n=3(0,1)	nl=3
16-25	n=5(0,1)	nl=5
26-50	n=5(0,1)	nl=8
51-90	n=5(0,1)	nl=13
91-150	n=5(0,1)	nl=20
151-280	n=5(0,1)	nl=32
281-500	n=5(0,1)	nl=50
501-1200	n=20(1,2)	nl=80
1201-3200	n=20(1,2)	nl=125
3201-10000	n=20(1,2)	nl=200

Brown Fused Alumina Fines Size#

Europe FEPA Size#	China W#	
F230	W# mean diameter in um	
F240	W63	50
F280	W50	40
F320	W40	28
F360		
F400	W28	20
F500	W20	14
F600	W14	10
F800	W10	7
F1000	W7	5
F1200	W5	3.5

