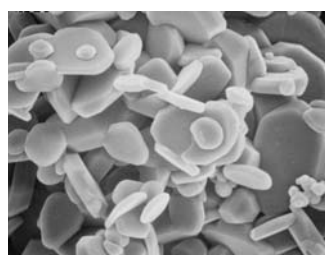
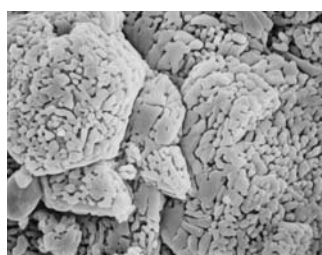
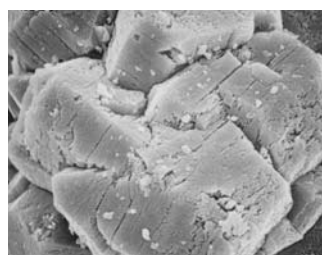
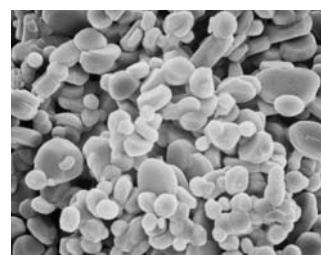


Regular/Coarse Grain Alumina

SA11/A11, alumina in a hexagonal crystalline form, is widely used as a raw material for refractories, abrasives and ceramics. Coarse grain SA12/A12 is an easily sintered alumina providing high firing density at a low temperature due to its small α -crystal size.

SA13/A13 is another fine α -crystal grain alumina with high reactivity suitable for polishing applications.

SA14/A14 has a relatively spherical crystalline form allowing high loading and so finds wide use as a raw material for refractories, ceramics and abrasives.

A11
10 μ mA12
10 μ mA13
10 μ mA14
10 μ m

Typical Properties

Grade	SA11	SA12	SA13	SA14	A11	A12	A13	A14
LOI (%)	0.01	0.02	0.09	0.02	0.01	0.02	0.12	0.01
Na ₂ O (%)	0.37	0.37	0.40	0.37	0.30	0.30	0.30	0.30
SiO ₂ (%)	0.03	0.03	0.03	0.03	0.02	0.02	0.02	0.02
Fe ₂ O ₃ (%)	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
Al ₂ O ₃ (%)	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
Ave. Particle Size (μ m)	105	105	105	105	55	55	55	55
α -Crystal Size (μ m)	4~7	1	—	3~7	4~5	<1	—	3~4
BET Specific Surface Area (m ² /g)	0.8	3.9	15	1.0	1.1	3.5	15	1.2
Bulk Density (Loose) (g/cm ³)	0.9	1.0	1.0	0.9	0.7	0.9	0.8	0.8
Bulk Density (Packed) (g/cm ³)	1.1	1.2	1.2	1.1	1.0	1.2	1.1	1.1
Angle of Repose (deg)	38	34	32	35	48	38	38	50

Applications

- (1) Glasses (including FPD glass substrates)
- (2) Tabular alumina, Fused alumina
- (3) Spinel
- (4) Ceramics
- (5) Refractory bricks, Castables
- (6) Abrasives, Polisher
- (7) Mold releasing agent

Packing

- Bulk
Flexible container bag (500kg and 1000kg)
Paper bag (25kg)