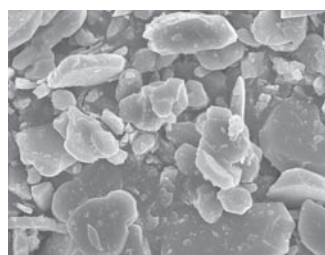
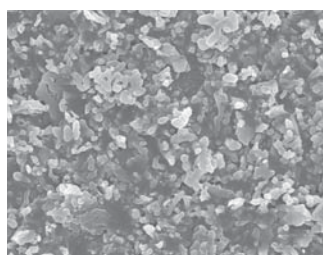


Milled Alumina SA30 Series

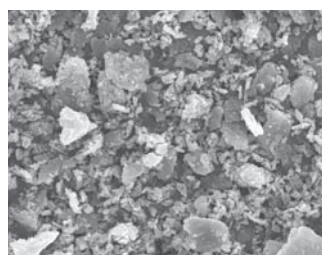
SA30 series are ground regular grain aluminas, predominantly α -crystal, widely used as raw materials for ceramics and refractories.



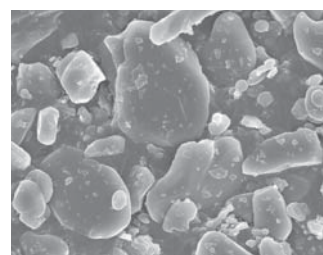
SA31



SA32



A33F



SA34

Typical Properties

Grade	SA31	SA31B	SA32	A33F	SA34
LOI (%)	0.02	0.03	0.03	0.17	0.02
Na ₂ O (%)	0.37	0.37	0.37	0.26	0.37
SiO ₂ (%)	0.03	0.03	0.03	0.02	0.03
Fe ₂ O ₃ (%)	0.02	0.02	0.02	0.02	0.02
Al ₂ O ₃ (%)	99.6	99.6	99.6	99.7	99.6
Ave. Particle Size (µm)	5	4	1	2	4
α -Crystal Size (µm)	4~7	4~7	1	—	3~7
BET Specific Surface Area (m ² /g)	1.3	1.8	4.5	17	1.9
Bulk Density (Loose) (g/cm ³)	0.9	0.9	0.6	0.4	0.9
Bulk Density (Packed) (g/cm ³)	1.3	1.3	1.1	0.6	1.3
Water Absorption (mℓ/100g)	21	15	22	34	19
pH	10	10	10	10	10
Bulk Density (Pressed) (g/cm ³)*	2.36	2.36	2.02	1.58	2.32
Green Density (g/cm ³)	2.31	2.38	1.89	1.57	2.27
Fired Density (g/cm ³)**	3.01	3.37	3.55	3.80	3.09
Linear Shrinkage (%)**	7.5	10.2	18.1	24.5	8.7

*Pressed at 98.07MPa{1000kgf/cm²} **Without flux, Pressed at 98.07MPa{1000kgf/cm²}, Fired at 1700°C for 2hrs

Applications

- (1) High alumina brick, Refractory binder
- (2) Castables
- (3) Spinel
- (4) Alumina ceramics
- (5) Abrasives, Polisher

Packing

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