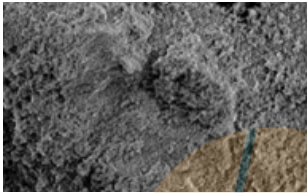


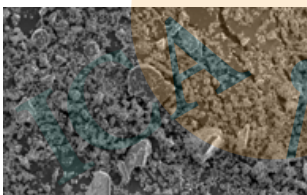
# ALUMINA

## THERMALLY REACTIVE

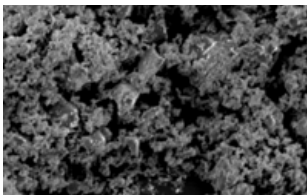
Alumina–Thermally Reactive



SEM AL-160SG-3



SEM AL-170



SEM A-172

Produk *thermally reactive* alumina digunakan dalam pembuatan keramik dan refraktori, serta untuk penggunaan pemolesan, karena dapat dikonversikan menjadi produk keramik dengan tingkat kepadatan yang tinggi pada suhu yang rendah. Produk ini juga memiliki karakteristik yang unggul seperti ukuran partikel sangat halus (seri AL-160SG) dan viskositas rendah (seri AL-170 and A-170).

Thermally reactive alumina products are used in making ceramics and refractories, as well as for polishing use, because of being able to be converted into high density ceramic products at low temperatures but also of their offering advantageous properties such as extra fine particle sizes (AL-160SG series) and low viscosity (AL-170 and A-170 series).

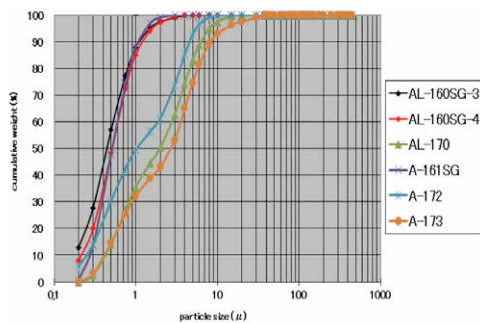
### Karakteristik Umum | Typical Properties

Properties*	Grades	Low soda type			Normal soda type	
		AL-160SG-3	AL-160SG-4	AL-170	A-172	A-173
Chemical Composition	LOI (%)	0.45	0.38	0.19	0.40	0.23
	Fe <sub>2</sub> O <sub>3</sub> (%)	0.03	0.02	0.02	0.02	0.02
	SiO <sub>2</sub> (%)	0.02	0.03	0.02	0.02	0.02
	Na <sub>2</sub> O (%)	0.02	0.04	0.05	0.23	0.14
	Al <sub>2</sub> O <sub>3</sub> (%) **	99.5	99.5	99.7	99.3	99.6
Specific gravity		3.93	3.94	3.93	3.94	3.93
Mean Particle size (µm)		0.46	0.62	1.9	1.1	3.0
Bulk density (g/cm <sup>3</sup> )	Loosed	1.05	0.80	0.95	1.08	0.86
	Tapped	1.65	1.19	1.70	1.86	1.70
	Pressed	2.28	2.29	2.61	2.54	2.55
BET specific surface area (m <sup>2</sup> /g)		6.5	6.1	3.0	5.2	3.7

\* Dianalisa menggunakan metode standar ICA yang setara dengan standar global pemurnian alumina | Analyzed by ICA test methods which are in line with the global standards for alumina refinery

\*\* Batas kandungan Al(OH)<sub>3</sub> minimum adalah 99,8% | The limit of Al(OH)<sub>3</sub> content is 99.8% minimum

### Distribusi Ukuran Partikel | Particle Size Distribution



### Penggunaan Utama | Main Application

1. IC boards and package
2. Factory machine parts
3. Abrasion-resistant ceramics
4. Heat-resistant ceramics
5. High-quality refractories
6. Castable refractories
7. Catalyst carrier

### Kemasan | Packing

- Flexibel Container Bag (1000 Kg)
- Paper Bag (25 Kg)