

# ALUMINA LOW-SODA

Alumina-Low-Soda

Low soda alumina kebanyakan digunakan untuk komponen elektronik termasuk IC boards dan IC packages, termasuk juga untuk material dasar busi dan produk keramik *electrical insulating* lainnya. ICA dapat menyediakan *low soda alumina* dengan ukuran *standard* dan halus yang memiliki kandungan soda, ukuran kristal akhir, bentuk dan ukuran distribusi dikendalikan dalam produksi.

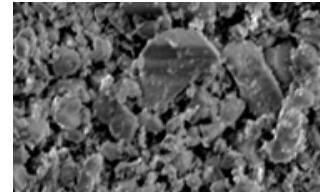
Low soda alumina is widely used for electronic parts including IC boards and IC packages as well as base material of spark plug and other electrical insulating ceramics. ICA can provide standard-sized and fine-sized low soda alumina with soda content, ultimate crystal size, shape and size distribution adjusted in production.

## Karakteristik Umum | Typical Properties

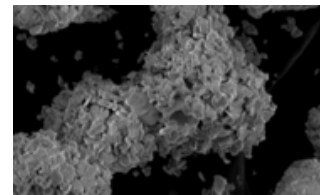
Properties*	Grades	AL-13 series		AL-17 Series		AL-43 Series	
		AL-13KT	AL-17-1	AL-17-2	AL-43-M	AL-43-MT	
Chemical Composition	LOI (%)	0.09	0.04	0.03	0.21	0.17	
	Fe <sub>2</sub> O <sub>3</sub> (%)	0.02	0.02	0.02	0.02	0.03	
	SiO <sub>2</sub> (%)	0.01	0.01	0.01	0.02	0.02	
	Na <sub>2</sub> O (%)	0.01	0.04	0.03	0.03	0.05	
	Al <sub>2</sub> O <sub>3</sub> (%) **	99.9	99.9	99.9	99.7	99.7	
Specific gravity		3.97	3.96	3.96	3.94	3.95	
Mean Particle size (µm)		87.0	57.8	48.4	2.1	1.9	
Bulk density (g/cm <sup>3</sup> )	Loosed	0.76	0.77	0.75	0.73	0.84	
	Tapped	1.41	1.38	1.38	1.56	1.63	
BET specific surface area (m <sup>2</sup> /g)		0.4	1.5	1.0	2.3	2.6	
pH		-	-	-	-	8.8	

\* 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

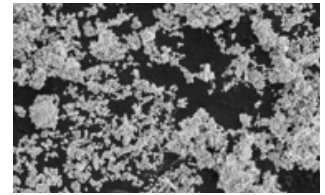
\*\* Batas kandungan Al(OH)<sub>3</sub> minimum adalah 99,8% | The limit of Al(OH)<sub>3</sub> content is 99.8% minimum



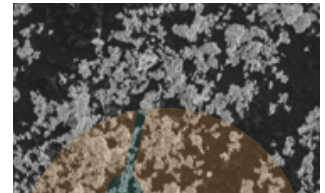
SEM AL-13KT



SEM AL-17-1

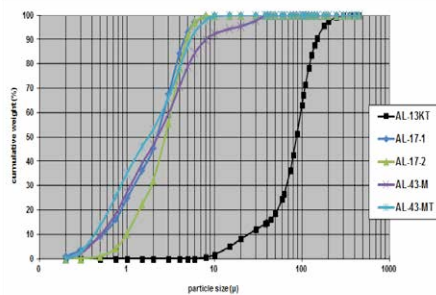


SEM AL-43M



SEM AL-43MT

## Distribusi Ukuran Partikel | Particle Size Distribution



## Penggunaan Utama | Main Application

1. IC boards and packages
2. Laboratory porcelains
3. Abrasion-resistant ceramics
4. Resistance insulators
5. Spark plug
6. Resin filler

## Kemasan | Packing

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