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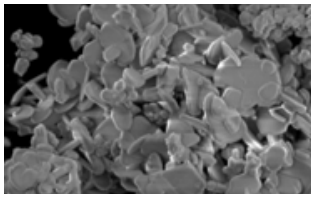
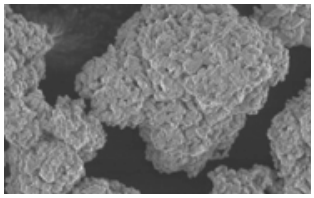
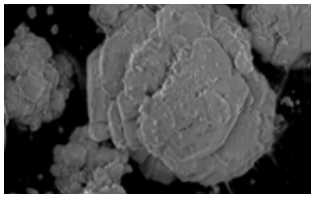
ALUMINA
PARTIKEL STANDAR DAN KASAR
Alumina–Standard and Coarse Particle

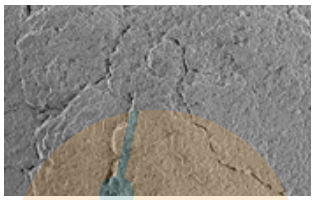
Alumina berukuran standar adalah alumina plaing umum dengan diameter partikel rata-rata sekitar 60µm dan diameter kristal akhir dikendalikan. A-12 adalah alumina yang dikalsinasi pada temperatur tinggi dan berisikan partikel kristal akhir yang relatif besar. A-13 series terdiri dari Kristal akhir yang bersifat halus dan sergam dan memiliki karakteristik *highly thermal-reactive* dengan 3 *grades*, tergantung dari ukuran kristal akhir. Alumina kasar memiliki tingkat kekasaran yang lebih dibandingkan produk berukuran dan standar. Produk ini memiliki karakteristik kandungan soda yang rendah dan *low dusting* serta *high fluidity*.

Standard-sized alumina is the most general alumina with mean particle diameter of about 60µm and ultimate crystal diameter is controlled. A-12 is alumina calcined at high temperature and consists of relatively large ultimate crystal particles. A-13 series consists of fine and uniform ultimate crystals and is highly thermal-reactive, with 3 grades depending on ultimate crystal size. Coarse alumina is coarser than standard-sized one and characterized by low soda contents, with low dusting and high fluidity.


SEM A-12


SEM A-13-H


SEM A-13-M

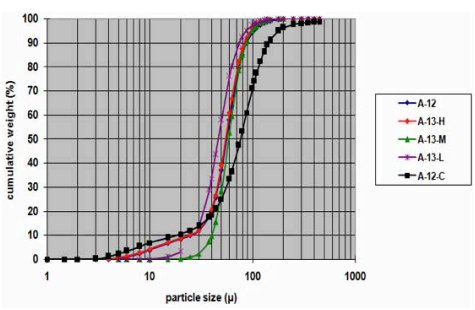

SEM A-12C

Karakteristik Umum | Typical Properties

Properties* \ Grades		Standard Particle				Coarse Particle
		A-12	A-13-H	A-13-M	A-13-L	A-12C
Chemical Composition	LOI (%)	0.08	0.09	0.33	0.16	0.07
	Fe_2O_3 (%)	0.02	0.01	0.02	0.02	0.02
	SiO_2 (%)	0.02	0.01	0.01	0.01	0.01
	Na_2O (%)	0.21	0.22	0.22	0.22	0.12
	Al_2O_3 (%) **	99.7	99.7	99.4	99.7	99.8
Specific gravity		3.95	3.97	3.95	3.97	3.95
Mean particle size (µm)		54.9	56.7	59.0	46.3	86
Bulk density (g/cm^3)	Loosed	0.7	0.8	0.9	0.7	0.9
	Tapped	1.3	1.4	1.4	1.3	1.6
BET specific surface area (m^2/g)		0.5	0.9	3.9	6.9	0.7

* Dianalisa menggunakan metode standar ICA yang setara dengan standar global pemurnian alumina I Analyzed by ICA test methods which are in line with the global standards for alumina refinery
** Batas kandungan $Al(OH)_3$ minimum adalah 99,8% I The limit of $Al(OH)_3$ content is 99.8% minimum

Distribusi Ukuran Partikel |
Particle Size Distribution



Penggunaan Utama |
Main Application

1. Sintered alumina, mullite, spinel
2. Fused alumina, Fused mullite
3. Formed and castable refractory
4. Ceramics fiber and glass fiber
5. Glass
6. High-alumina porcelain
7. Separators

Kemasan |
Packing

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