



LOW SODIUM ALUMINA (CA) SERIES FOR CERAMICS

Model No.	Chemical Composition					True Density g/cm ³ ≥	Apparent Density g/cm ³ >	Grain Size D ₅₀ D ₅₀ (μm)	+325 Mesh <%	Original Crystal D ₅₀ D ₅₀ (μm)	Features	Recommend Applications
	Al ₂ O ₃ ≥%	SiO ₂ ≤%	Fe ₂ O ₃ ≤%	Na ₂ O ≤%	LOI ≤%							
CA1A	99.7	0.05	0.02	0.08	0.1	3.97	>0.95	~70	\	5.0-6.0	<ul style="list-style-type: none"> • High-purity product • Low Na₂O • High conversion rate • Calcinated at high temperatures • Processed with a structure of large crystals • Excellent heat resistance • High mechanical strength • Dimensional stability • High abrasion resistance • Outstanding fluidity • Excellent insulation properties, etc. 	It's widely used in high-performance ceramic products, especially suitable for products with high-pressure die casting processes, such as vacuum tubes, etc.
CA1D	99.7	0.05	0.02	0.06	0.1	3.95	>0.90		\	3.0-4.0	<ul style="list-style-type: none"> • High-purity product • Low Na₂O • Moderate crystal size. • Uniform distribution of size • Dimensional stability, etc. 	It's general used in many ceramic products like, spark plugs, vacuum tubes, wear-resistant ceramics, etc. Also, it's more suitable for products with molding process like isostatic pressing or dry-pressing.
CA1	99.7	0.05	0.02	0.05	0.1	3.95	>0.90		\	3.0-3.8	<ul style="list-style-type: none"> • Calcined in static kiln • Low Na₂O • Moderate crystal size • Uniform particle distribution • High ceramic density 	Mainly used in electronic ceramics products, specially suitable for products with high-pressure die casting processes



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	Al ₂ O ₃ ≥%	SiO ₂ ≤%	Fe ₂ O ₃ ≤%	Na ₂ O ≤%	LOI ≤%							
CA2	99.7	0.08	0.02	0.04	0.1	3.96	>0.9		\	2.8-3.4	<ul style="list-style-type: none"> High-purity product Low Na₂O Very strict dimensional control Outstanding fluidity Dimensional stability 	Mainly used in electronic ceramics products and structural ceramics products, specially suitable for products with high-pressure die casting processes
CA2G	99.6	0.15										
CA3	99.7	0.05	0.02	0.04	0.1	3.96	>0.85	~70	\	2.0-2.6	<ul style="list-style-type: none"> Very strict control of calcinating temperature Smaller crystal size Low sodium contented Uniform particle distribution 	Suitable for electronic ceramics products, such as IC substrates
CA3G		0.1										
CA4	99.7	0.05	0.02	0.06	0.1	3.93	>0.90	~70	\	1.0-1.8	<ul style="list-style-type: none"> High-purity product Low Na₂O High density after calcination Dimensional stability High mechanical strength. 	Structural ceramics, electronic ceramics. 99 ceramic granulation powder material, also suitable for extrusion molding process
CA4G		0.1										



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	Al ₂ O ₃ ≥%	SiO ₂ ≤%	Fe ₂ O ₃ ≤%	Na ₂ O ≤%	LOI ≤%	g/cm ³ ≥	g/cm ³ >	D ₅₀ (μm)	<%	D ₅₀ (μm)		
CA5	99.7	0.05	0.02	0.05	0.1	3.92		~70	\	<1.0	<ul style="list-style-type: none">• Small and uniform crystal size• High activity	99% aluminum oxide ceramics products with high-pressure die casting processes.
CA5G								1-1.3	<1.0		<ul style="list-style-type: none">• Fully grinding• Small and uniform crystal size• Narrow particle size distribution• High activity	