

CT3000 LS SG

Product Description

CT3000LS SG is a high purity specialty alumina engineered for demanding technical ceramics applications. It offers a controlled particle size distribution, low impurity levels and consistent sintering behavior, enabling the production of dense, mechanically robust components. The material is well suited for semiconductor applications, catalyst carriers and high-end structural ceramics where dimensional stability, cleanliness and reliable performance are required.

Product		CT3000 LS SG		
Chemical Composition	Unit	Typical	Min	Max
Al ₂ O ₃ by difference	[%]	99.9	99.8	
Na ₂ O	[%]	0.01		0.04
Fe ₂ O ₃	[%]	0.01		0.02
SiO ₂	[%]	0.017		0.028
MgO	[%]	0.05	0.04	0.06
CaO	[%]	0.01		0.02
Properties / Method				
Particle Size / d50*	[µm]	0.5	0.45	0.63
Particle Size / d90*	[µm]	1.6		1.9
Specific Surface Area / BET	[m ² /g]	7.5	6.8	8.8
Ceramic Properties				
Green Density	[g/cm ³]	2.26		
Fired Density	[g/cm ³]	3.91	3.90	
Firing Temperature / 1 h soak time	[°C]	At 1540		
Shrinkage	[%]	16.7		

The typical properties are based upon the actual averages from production data. The Min/Max data show our standard product specification data for this product.

All data are based upon Almatris standard test methods. All test methods are available upon request.

* Laser granulometry Bettersizer S3 Almatris global standard

Standard Packaging

- 25 kg bags
- 500 kg big bags

Contact for sales, technical information and application assistance

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