

Higher Purity Calcined and Reactive Aluminas

Extra Low Soda (XLS) Products

Unground				
Chemical Composition	Unit		CT 1200 XLS	CL 2500 XLS
Al ₂ O ₃ by difference	[%]		> 99.8	> 99.8
Na ₂ O	[%]		≤ 0.03	≤ 0.03
Fe ₂ O ₃	[%]		≤ 0.03	≤ 0.025
SiO ₂	[%]		≤ 0.03	≤ 0.03
CaO	[%]		≤ 0.03	≤ 0.03
B ₂ O ₃	[%]		≤ 0.03	≤ 0.02
Properties / Method (Typical)				
Specific Surface Area BET	[m ² /g]		1.2	0.9
[Primary Crystal Size D50*]**	[μm]			1.7
Particle Size Wet Sieve > 63 μm	[%]		75	80
Green Density	[g/cm ³]			2.22
Superground				
Chemical Composition	Unit	CT 3000 XLS SG†	CT 1200 XLS SG†	CL 2500 XLS SG
Al ₂ O ₃ by difference	[%]	> 99.8	> 99.8	> 99.8
Na ₂ O	[%]	≤ 0.03	≤ 0.03	≤ 0.03
Fe ₂ O ₃	[%]	≤ 0.02	≤ 0.03	≤ 0.025
SiO ₂	[%]	≤ 0.028	≤ 0.04	≤ 0.03
CaO	[%]	≤ 0.02	≤ 0.03	≤ 0.03
B ₂ O ₃	[%]	≤ 0.005	≤ 0.03	≤ 0.02
Properties / Method (Typical)				
Specific Surface Area BET	[m ² /g]	7.8	3	1
Particle Size D50*	[μm]	0.55	1.3	3.5
Particle Size D90*	[μm]	1.7	2.9	
Particle Size Wet Sieve > 20μm	[%]			2
Green Density	[g/cm ³]	2.25	2.32	
Fired Density	[g/cm ³]	3.91	3.92	
Firing Temperature / 1 h Soak Time	[°C]	1540	1670	
Shrinkage	[%]	16.8	16	

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

The typical properties are based upon the actual averages from production data.

* Laser granulometry Bettersizer S3 Almatis global standard

** After lab grind

† Product available with and w/o MgO addition

Higher Purity Calcined and Reactive Aluminas

Ultra Low Soda (ULS) Products

Unground				
Chemical Composition	Unit	CT 1200 ULS	CL 2500 ULS	CL 3000 ULS
Al ₂ O ₃ by difference	[%]	> 99.9	> 99.9	> 99.9
Na ₂ O	[%]	≤ 0.01	≤ 0.01	≤ 0.01
Fe ₂ O ₃	[%]	≤ 0.02	≤ 0.02	≤ 0.02
SiO ₂	[%]	≤ 0.01	≤ 0.01	≤ 0.01
CaO	[%]	≤ 0.01	≤ 0.01	≤ 0.01
B ₂ O ₃	[%]	≤ 0.005	≤ 0.005	≤ 0.01
Properties / Method (Typical)				
Specific Surface Area BET	[m ² /g]	1.2	0.95	0.6
[Primary Crystal Size D50*]**	[μm]		1.7	2.2
Particle Size Wet Sieve >63 μm	[%]	75	80	80
Green Density	[g/cm ³]		2.22	2.28
Superground				
Chemical Composition	Unit		CL 2500 ULS SG	CL 3000 ULS SG
Al ₂ O ₃ by difference	[%]		> 99.9	> 99.9
Na ₂ O	[%]		≤ 0.01	≤ 0.01
Fe ₂ O ₃	[%]		≤ 0.02	≤ 0.02
SiO ₂	[%]		≤ 0.01	≤ 0.01
CaO	[%]		≤ 0.01	≤ 0.01
B ₂ O ₃	[%]		≤ 0.005	≤ 0.01
Properties / Method (Typical)				
Specific Surface Area BET	[m ² /g]		1.2	1
Particle Size D50*	[μm]		3.5	3.7
Particle Size Wet Sieve > 20μm	[%]		2	0.1

The typical properties are based upon the actual averages from production data.

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

* Laser granulometry Bettersizer S3 Almatris global standard

** After lab grind

Standard Packaging

- 25kg paper bags
- 2x 500kg big bag, 1 pallet, discharge sleeve and shrink wrapped.

Contact for sales, technical information and application assistance

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SDS 387