Global Almatis Aluminas for Refractories Applications

Product		CT 800 FG			T60/64 — 20 micron[3]		
Properties / Method	**Unit**	**Typical**	**Min**	**Max**	**Typical**	**Min**	**Max**
Specific Surface Area BET	[m^2/g]	0.9	0.7	1.2			
Particle Size +0.020mm[1]	[%]				5.0		10.0
Particle Size D50[2]	[µm]	4.0	2.7	5.3	3.7		5.0
Particle Size Wet Sieve >45µm	[%]	0.1		3.0			
Chemical Composition							
Al_2O_3 by difference	[%]	99.7			99.3		
Na_2O	[%]	0.12		0.15			0.40
Fe_2O_3	[%]	0.02		0.04			
Fe Magnetic	[%]						0.02
SiO_2	[%]	0.02		0.04			0.15
CaO	[%]	0.03					

Product		RG 4000			CL 370			E-SY 1000		
Properties / Method	**Unit**	**Typical**	**Min**	**Max**	**Typical**	**Min**	**Max**	**Typical**	**Min**	**Max**
Specific Surface Area BET	[m^2/g]	7.2	6.0	9.5	3.0	2.6	3.4	2.0	1.6	2.3
Particle Size D50[2]	[µm]	0.6	0.4	0.8	2.2	1.6	2.8	1.8	1.5	2.3
Particle Size D90[2]	[µm]	2.0		3.0	7.5	5.0	10.0	11.0	8.0	15.0
Grain Size Distribution		Mono-modal			Bi-modal			Bi-modal		
Chemical Composition										
Al_2O_3 by difference	[%]	99.8			99.7			99.5		
Na_2O	[%]	0.08		0.10	0.10		0.14	0.20		0.35
Fe_2O_3	[%]	0.02		0.04	0.03		0.04	0.03		0.06
SiO_2	[%]	0.03		0.08	0.03		0.07	0.03		0.06
CaO	[%]	0.03			0.03			0.03		

The typical properties are based upon the actual averages from production data. The Min/Max data show our standard product specification data for these products.
All data are based upon Almatis standard test methods. All test methods are available upon request.
1) Wet -20 micron sieve
2) Laser granulometry Bettersizer S3 Almatis global standard
3) T60/T64—20 micron SDS154

Global Almatis Aluminas for Refractories Applications

Product		CTC 20			CTC 40			CTC 50		
Properties / Method	**Unit**	**Typical**	**Min**	**Max**	**Typical**	**Min**	**Max**	**Typical**	**Min**	**Max**
Specific Surface Area BET	[m^2/g]	2.1	1.5	3.0	4.8	4.0	5.5	4.1	3.7	5.5
Particle Size D50*	[µm]	1.9	1.5	2.4	1.2	0.8	1.5	1.6	1.2	2.0
Particle Size D90*	[µm]	5.0		7.0	4.3	3.4	5.6	7.5	5.5	9.5
Grain Size Distribution		Mono-modal			Bi-modal			Multi-modal		
Chemical Composition										
Al_2O_3 by difference	[%]	99.7			99.8			99.7		
Na_2O	[%]	0.12		0.2	0.08		0.12	0.16		0.2
Fe_2O_3	[%]	0.03		0.05	0.03		0.06	0.03		0.05
SiO_2	[%]	0.03		0.08	0.03		0.07	0.03		0.1
CaO	[%]	0.03			0.03			0.03		

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All data are based upon Almatis standard test methods. All test methods are available upon request.
* Laser granulometry Bettersizer S3 Almatis global standard

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