



## Global Product Data

# Global Almatis Aluminas for Refractories and Ceramics Applications

Properties/method	Unit	CT 800			CT 800 FG			T60/64-20my		
		typical	Min	Max	typical	Min	Max	typical	Min	Max
Specific Surface Area/BET	[m <sup>2</sup> /g]	0.7	0.65	0.85	0.9	0.7	1.2			
Particle Size/sieve <63µm	[%]	70.0	50.0	95.0						
Particle Size/wet sieve <45µm	[%]				0.5		3.0			
Particle Size/+0.020mm	[%]							5.0	0	10.0
Particle Size/D50 Cilas*	[µm]	2.1**	1.6**	2.2**	3.7	2.3	5.3	2.5		3.5
Particle Size/D90 Cilas*	[µm]									
Particle Size/D50 Sedigraph*	[µm]	2.0**	1.7**	2.4**	3.8	3.0	5.0	4.0		5.5
Particle Size/D90 Sedigraph*	[µm]									
<b>Chemical Analysis</b>										
Al <sub>2</sub> O <sub>3</sub>	[%]	99.7			99.7			99.3		
Na <sub>2</sub> O	[%]	0.12		0.15	0.12		0.15			0.40
Fe <sub>2</sub> O <sub>3</sub>	[%]	0.02		0.04	0.02		0.04			
Fe Magnetic	[%]									0.02
SiO <sub>2</sub>	[%]	0.01		0.03	0.02		0.04			0.15
CaO	[%]	0.02			0.02					

\*) Cilas 1064 applied for shipments from Europe and Sedigraph 5110 for shipments from USA

\*\*\*) primary crystal size determination after lab grind

All data are based upon Almatis standard test methods.

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



# Global Almatis Aluminas for Refractories and Ceramics Applications

Properties/method	Unit	RG 4000			CTC 20			CTC 50			CL 370		
		typical	Min	Max	typical	Min	Max	typical	Min	Max	typical	Min	Max
Specific Surface Area/BET	[m <sup>2</sup> /g]	7.2	6.0	9.5	2.0	1.5	3.0	4.1	3.7	5.5	3.0	2.6	3.4
Particle Size/D50 Cilas*	[µm]	0.8	0.5	1.0	1.9	1.2	2.3	1.7	1.4	2.0	2.6	2.0	3.0
Particle Size/D90 Cilas*	[µm]	4.0	2.5	6.0	5.4	3.0	6.5	9.4	8.0	12.0	9.0	5.0	13.0
Particle Size/D50 Sedigraph*	[µm]	0.5	0.3	0.6	2.4	2.0	2.8	1.7	1.5	2.2	2.9	2.2	3.4
Particle Size/D90 Sedigraph*	[µm]	2.6	1.0	3.5	5.5	4.2	6.6	10.5	8.0	13.0	6.4	5.0	8.0
Grain Size Distribution		mono-modal			mono-modal			multi-modal			bi-modal		
<b>Chemical Analysis</b>													
Al <sub>2</sub> O <sub>3</sub>	[%]	99.8			99.7			99.7			99.7		
Na <sub>2</sub> O	[%]	0.08		0.10	0.12		0.20	0.16		0.20	0.10		0.14
Fe <sub>2</sub> O <sub>3</sub>	[%]	0.02		0.04	0.03		0.05	0.03		0.05	0.03		0.04
SiO <sub>2</sub>	[%]	0.03		0.08	0.03		0.08	0.03		0.1	0.03		0.07
CaO	[%]	0.02			0.02			0.03			0.02		

\*) Cilas 1064 applied for shipments from Europe and Sedigraph 5110 for shipments from USA

All data are based upon Almatis standard test methods.

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



# Global Almatis Aluminas for Refractories and Ceramics Applications



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