High Surface Area Aluminas

Product		CTGA			PG Feinst			P 10			CT 10 SG		
Chemical Composition	Unit	Typical	Min.	Max.	Typical	Min.	Max.	Typical	Min.	Max.	Typical	Min.	Max.
Al_2O_3 by difference	[%]	99			99			99			99		
Na_2O	[%]	0.4		0.5	0.4		0.5	0.4			0.4		0.5
Fe_2O_3	[%]	0.03			0.03			0.02			0.03		0.04
SiO_2	[%]	0.02			0.03						0.05		0.05
CaO	[%]	0.02											
Properties / Method													
Specific surface area / BET	[m^2/g]	65	50	80	70	45	80	11	9	17	13		
Particle Size / D50*	[µm]				3.3			30			3.5		
Particle Size / Sieve >63µm	[%]	70	55	90				30	25	50			
Particle Size / Sieve >20µm	[%]				1		3				2		5

* Laser granulometry Bettersizer S3 Almatis global standard

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.

Product Description

High surface area aluminas are quite versatile products that can be used in a variety of refractory, ceramics, glass and filler applications:

- They serve as a plasticizer in extrudable & gunning refractory mixes and can replace clay and silica fume for improved hot properties.
- They are used for sintered pigments in the tiles and glazes industry and can replace micronized zircon as an opacifier in glazes and fully vitrified ceramic tiles.
- The products can be used for porous ceramics, such as catalyst carriers & ceramic filters.

Contact for sales, technical information and application assistance

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