Reactive Aluminas Spray-Dried Powders

Product		CT 3000 SDP	CT 3000 LS SDP
Chemical Composition	**Unit**	**Typical**	**Typical**
Al_2O_3 by difference	[%]	99.7	99.8
Na_2O	[%]	0.08	0.02
Fe_2O_3	[%]	0.02	0.02
SiO_2	[%]	0.02	0.02
CaO	[%]	0.03	0.02
MgO	[%]	0.07	0.06
Properties / Method			
Specific surface area / BET	[m^2/g]	7.0	7.3
Primary Crystal Size / D50*	[µm]	0.55	0.55
Particle Size / Sieve > 63 µm	[%]	90	90
Bulk Density	[g/l]	1100	1100
L.O.I.	[%]	2	2
Moisture	[%]	0.25	0.25
Ceramic Properties			
Green Density / 90 MPa	[g/cm^3]	2.30	2.32
Fired Density 1600°C, 1h	[g/cm^3]	3.90	3.91
Shrinkage 1600°C, 1h	[%]	16.5	16.5

The typical properties are based upon the actual averages from production data.
All data are based upon Almatis standard test methods. All test methods are available upon request.
* Laser granulometry Bettersizer S3 Almatis global standard

Product Description

CT 3000 SDP and CT 3000 LS SDP are **S**pray-**D**ried Thermally Reactive Alumina **P**owder for direct use in both isostatic and uniaxial pressing.

CT 3000 LS SDP combines high fire density with very low impurities of soda, calcia, and silica.

Contact for sales, technical information and application assistance

Head Office
Almatis GmbH
Lyoner Straße 9
60528 Frankfurt/Germany

info@almatis.com
www.almatis.com

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