



## Global Product Data

# Reactive Alumina CT 3000 SDP

Physical and Chemical Data		
Chemical Composition [wt.-%]		Typical
<b>Al<sub>2</sub>O<sub>3</sub></b>		99.7
<b>Na<sub>2</sub>O</b>		0.08
<b>Fe<sub>2</sub>O<sub>3</sub></b>		0.02
<b>SiO<sub>2</sub></b>		0.02
<b>CaO</b>		0.03
<b>MgO</b>		0.10
Physical Properties		
<b>BET</b>	[m <sup>2</sup> /g]	7.0
<b>Primary Crystal Size, d50</b>	[µm]	0.6
<b>Granule Size, d50</b>	[µm]	200
<b>Particle Size / sieve &gt; 63 µm</b>	[%]	90
<b>Bulk Density</b>	[g/l]	900 - 1200
<b>L.O.I.</b>	[%]	2
<b>Moisture</b>	[%]	0.3 - 0.6
Ceramic Properties		
<b>Press Density / 90 MPa</b>	[g/cm <sup>3</sup> ]	2.30
<b>Fired density 1600 °C, 1h</b>	[g/cm <sup>3</sup> ]	3.90
<b>Shrinkage</b>	[%]	16.5

The typical properties are based upon the actual averages from production data.  
 All data are based upon Almatis standard test methods.

**Product use:**

CT 3000 SDP is a **S**pray-Dried Thermally Reactive Alumina **P**owder for direct use in both isostatic and uniaxial pressing.



# Reactive Alumina CT 3000 SDP



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