



Calcined Alumina

ULTIMATE S 3000

Aluminum oxide is used in a wide range of thermal management solutions. Due to its inert character and good thermal conductive properties alumina can be used as a thermal conductive filler material in a wide range of compounds.

ULTIMATE S 3000 is a unique product with very tight controlled calcination degree and particle size distribution. It is supplied in slurry form with a solids loading of 65 wt% and enables the user to achieve high thermal conductivities in liquid compounds.

Product / Properties	Unit	Typical
Ground		
Chemical Composition*		
Na ₂ O	[%]	0.13
Fe ₂ O ₃	[%]	0.03
Physical Properties		
D50	[μm]	0.2
D90	[μm]	0.4
Specific surface area/BET	m ² /g	10
MOI 20-105° C	%	35
Density	g/l	1950
pH of dispersion**		10.5 - 11.5

* Chemical Analysis performed on dry materials

** Slurry with solid loading

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



Calcined Alumina ULTIMATE S 3000

Standard Packaging

- 25l drums (=50kg)
- 500l /1000l (1000kg /2000kg) IBC

Storage Condition

When stored longer than 1 month without use, we recommend stirring at regular intervals avoiding the formation of hard agglomerates of alumina.

Contacts for sales, technical information and application assistance

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