

Alumina S, Data sheet

secondary Alumina

2011 Nov Mr

Chemical analyses (% by dry weight, DS)

%		min	max	typical (average)
Al ₂ O ₃		65	70	68
CaO		2	3	2,5
Fe ₂ O ₃		0,8	1,6	1,2
Na ₂ O		0,3	0,9	0,6
K ₂ O		0,3	0,7	0,5
MgO	as Magnesia spinel	4	7	5,5
SiO ₂		6	9	7,5
TiO ₂		0,4	0,8	0,6
Cr 3+	= total Cr	0,02	0,045	0,03
Cu		0,1	0,3	0,2
Pb		0,01	0,03	0,02
Zn		0,045	0,18	0,11
F-		0,2	0,5	0,35
Cl-total		0,3	0,5	0,4
S total		0,1	0,9	0,5
N total		0,1	0,5	0,3
PO ₄ 3-		0,1	0,3	0,2
TOC	contains graphite	0,1	0,5	0,3
ignition loss 800 °C	crystal water	12	16	14
other information				
moisture	%	20	26	23
bulk density	t/m ³	0,9	1,2	1,1
grain size	mm	< 5	< 100	customized

Mineralogical main ingredients: Alumina, Aluminium hydroxide, Mg-aluminate

Please take notice that all data and information of this data sheet are only provisional ones.

They are dependant on production conditions and can be adopted according to the customers demand.

Furthermore they only aim at a general description of the product features and do not grant any warranty of properties.

At any case the utilizability of the material described above remains to be checked carefully by each and every user.

R. Gerhard Merker - Mineral Processing Engineer

(Mineral raw materials, Sourcing, Recycling, Consulting, Project Management)

Brunsiepen 11

58239 Schwerte / Germany

Tel: +49 2304 331 750

Cell: +49 173 5355 828

E-mail: info@merker-mineral-processing.de

web-site: www.merker-mineral-processing.de