bodmerton
swiss quality clay

Technical data sheet

as of september 2026

article	410
description	aluminium hydroxid
ceramic formula	$Al_2O_3 \cdot 3\ H_2O$
molecular weight	156
melting range	2050° C
grain size distribution	66,6 % < 125 µm

Chemical analysis

$Al(OH)_3$	99,77 %
Al_2O_3	65,25 %
Na_2O	1850 ppm
Fe_2O_3	65 ppm
SiO_2	60 ppm
CaO	30 ppm
loss on ignition H_2O	34,52 %

Usage

Aluminium hydroxide can, for example, be used as a release agent during firing or as a raw material in the manufacture of ceramic spinel pigments, as well as in extrusion compounds for the production of honeycomb ceramics.

When aluminium hydroxide is heated to a high temperature (calcined), it forms aluminium oxide Al_2O_3.

Crystalline water loss at 300°C

Bodmer Ton AG
Holzrüti 1 · 8840 Einsiedeln · 055 418 28 58
info@bodmer-ton.ch · www.bodmer-ton.ch

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