bodmerton
swiss quality clay

Technical data sheet

as of February 2026

article	507
description	Bentonite
ceramic formula	$Al_2O_3 \cdot 4\ SiO_2 \cdot H_2O$
melting range	sintering from 1030° C
moisture	6–14 %
swelling capacity	min. 25 ml/2 g
pH value	10 ± 1
dry sieve residue 63 µm	max. 30 %

Chemical analysis

SiO_2	53,1 %
Al_2O_3	16,8 %
Fe_2O_3	6,0 %
MgO	4,8 %
Na_2O	4,7 %
CaO	3,1 %
K_2O	1,9 %
TiO_2	0,34 %
MnO_2	0,09 %
loss on ignition	9,7 %

Usage

in glazes:	Floating agent, add 0.5 to 2 %. Do not add more due to severe shrinkage and cracking. Improves the grip strength of unfired glazes.
in engobes:	Adding up to 5 % is helpful in lean engobes.
in masses:	Adding up to 5 % makes non-plastic clays turnable.

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

V:1/25022026