bodmerton
swiss quality clay

Technical data sheet

as of august 2026

article	406
description	manganese dioxide
ceramic formula	MnO_2
molecular weight	87
melting range	approx. 1080° C
dry sieve residue	0,53 % > 45 µm
density	1,7g/cm³

Chemical analysis

MnO_2	81,6 %
Al_2O_3	5,1 %
Fe_2O_3	5 %
SiO_2	3,7 %
others	4,6 %

Usage

in glazes:	Colours acid glazes brown when combined with iron, producing a dark brown. Produces pinkish-brown or pinkish-purple hues in basic glazes. Produces a purple colour when combined with boron phosphate. High colouring power.
in engobes:	Additions of 4–20% to red firing clay produce brown to black engobes.

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