

58200 China Clay, kaolin

Chemical composition: Aluminium silicate hydrate, $Al_4(Si_4O_{10})(OH)_8$
 Kaolin: 100 %
 CAS No.: 1332-58-7
 EINECS: 310-194-1

China clay is a highly refined kaolin of ultrafine particle size and high brightness from deposits in the South West of England.

Specification

Brightness (ISO R 457)	87.5 ± 1.0
+ 53 µm (ppm max.)	200
+ 10 µm (mass % max.)	0.2
- 1 µm (mass % min.)	77
Moisture (mass % max.)	1.5
pH	5.5 ± 0.5

Typical Properties

Yellowness	4.2
Specific gravity	2.6
Surface area (BET: m ² /g)	16
Oil absorption (g/100 g)	46
Aerated powder density (kg/m ³)	240
Tapped powder density (kg/m ³)	540
Water soluble salt content (mass %)	0.20
Chemical analysis by X-ray fluorescence:	
SiO ₂ (mass %)	47
Al ₂ O ₃ (mass %)	38