

## 58200 China Clay, kaolin

Chemical composition: Aluminium silicate hydrate,  $\text{Al}_4(\text{Si}_4\text{O}_{10})(\text{OH})_8$   
 Kaolin: 100 %  
 CAS No.: 1332-58-7

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
+ 300 mesh (mass % max.)	0.02
+ 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 <sup>2</sup> /g)	16
Oil absorption (g/100 g)	46
Aerated powder density (kg/m <sup>3</sup> )	320
Tapped powder density (kg/m <sup>3</sup> )	570
Water soluble salt content (mass %)	0.20
<b>Chemical analysis by X-ray fluorescence:</b>	
SiO <sub>2</sub> (mass %)	47
Al <sub>2</sub> O <sub>3</sub> (mass %)	38