

Kaolin

China Clay K

A kaolinite clay.



Typical chemical analysis (dry basis):

Silica	57.2%
Aluminium Oxide	24.5%
Ferric Oxide	2.7%
Calcium Oxide	0.1%
Sodium Oxide	0.1%
Potassium Oxide	2.1%
Loss on Ignition (1000°C)	10.1

Typical product data:

Fineness:

• Residue on a 75 um sieve (ISO 787/17)	2%
• Residue on a 53 um sieve (ISO 787/17)	4%
pH value (ISO 787/9)	3-7
Moisture (80°C), when packed	5%
Oil absorption (ISO 787/5)	34 g/100g
Loose bulk density (ISO 787/11)	0.5g/cm ³
Packed bulk density (ISO 787/11)	0.7g/cm ³

Applications:

- Adhesive filler
- Agricultural granule coating
- Ceramics
- Mushroom casing to enhance moisture retention and improve casing texture
- Rubber manufacturing and industrial filler.

Production plant:

17-35 Bridge Street, Coalgate, Canterbury 7673, New Zealand.