



Kaolin Clay

Typical Chemical Composition

Silicon Dioxide (SiO₂)	45.2 - 45.7%
Aluminum Oxide (Al₂O₃)	36.1 - 37.5%
Iron Oxide (Fe₂O₃)	0.7 - 1.6%
Titanium Dioxide (TiO₂)	1.4%
Calcium Oxide (CaO)	< 0.01%
Potassium Oxide (K₂O)	0.34 - 0.35%
Magnesium Oxide (MgO)	0.12 - 0.13%
Loss on Ignition (1000 deg C)	13.8 - 14%

Typical Properties

Density at 25 deg C	2.60 - 2.62 g/cc
GE Brightness (TAPPI T 646)	71 - 75
325 Mesh Residue	< 0.1% - 0.3%
Oil Absorption (ASTM D 281)	33 - 39
D50 Particle Size	0.54 - 2.55 um
D90 Particle Size	3.14 - 9.61 um

Applications

Coatings and Construction applications. Suitable for use as functional filler in paints, coatings, and construction materials.