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## KAOLIN

**Application: for production semi-vitreous china-ware, sanitary wares, and ceramic shallows.**

### Parameters

Chemical composition %		Mineralogical composition %	
SiO <sub>2</sub>	58,05	Kaolinite Al <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> (OH) <sub>4</sub> (2 polymorphic modifications) 69,79	
Al <sub>2</sub> O <sub>3</sub>	28,44	Quarc – SiO <sub>2</sub> + amorphus silica 25,36	
Fe <sub>2</sub> O <sub>3</sub>	1,25		
CaO	0,70	Illit K <sub>al</sub> <sub>2</sub> Si <sub>3</sub> AlO <sub>10</sub> (OH) <sub>2</sub> 4,85	
MgO	0,13		
K <sub>2</sub> O	0,56		
Na <sub>2</sub> O	0,04		
TiO <sub>2</sub>	0,67		
Losses	9,98		

Make up water	26,3
Dried material contraction	3,0%
Absorbability after firing	22%
Bending strength after drying	1,4 Mpa
Density g/cm	2,15
Sieve residue 0,063	max. 5%
Trading humidity	to 25%
Colour after firing in 1250 C	white/cream
Contraction after firing in 1250 C	3,1%

**The presented data are mean averages and depend on resource and production. We can give some information about tolerance limits of the chemical composition and the size analysis and about application the individual products. Our company gives free samples for testing. We realize delivery on the basis of negotiate sales conditions.**