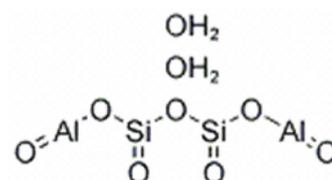


Kaolin

GRADE KBE-1

CAS №: 1332-58-7, **EC №:** 265-064-6

Chemical formula: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$



Appearance: White color clay consisting of kaolinite mineral.

Application: it is used in the production of porcelain, ceramics, perfumery products, glaze, engobe. It can be used as filling material in the production of fiberglass, glass-fibre-reinforced plastics, finishing paints, polymeric materials, in paper making industry.

Specification:

Mass content of oxides %			
SiO ₂ , not less	46,5	K ₂ O, not more	1,0
Al ₂ O ₃ , not less	36,0	Na ₂ O, not more	0,2
Fe ₂ O ₃ , not more	0,9	SO ₃ , not more	0,15
TiO ₂ , not more	0,7	P ₂ O ₃ , not more	0,1
CaO, not more	0,4	Loss on ignition, not more	14,0
MgO, not more	0,3		
Fractions content in size %			
less than 5 μm	65±5%		
less than 20 μm	90±5%		
Sieve residue № 0056	0,3%		
Physical and chemical properties of kaolin			
Temperature, °C			
of samples sintering	1450-1500		
melting	1720-1750		
Technical properties of kaolin			
Density of dried kaolin at 100 °C, g/cm ³	2,8		
Whiteness, %	80±1		
Moisture content, %, not more	0,5		

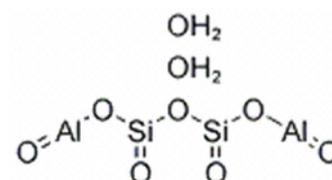
Package: 20 kg bags, 1000 kg big-bags.

Kaolin

GRADE KE-1

CAS №: 1332-58-7, **EC №:** 265-064-6

Chemical formula: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$



Appearance: White color clay consisting of kaolinite mineral.

Application: It is used as a filling material for plastic products, fiberglass, glass-fibre-reinforced plastics, plywood, particleboards, fiberboards, finishing paints. It is used in production of porcelain, glaze, engobe.

Specification:

Mass content of oxides, %			
SiO ₂ , not less	46,1	K ₂ O, not more	1,0
Al ₂ O ₃ , not less	36,0	Na ₂ O, not more	0,2
Fe ₂ O ₃ , not more	0,6	SO ₃ , not more	0,15
TiO ₂ , not more	0,7	P ₂ O ₃ , not more	0,1
CaO, not more	0,4	Loss on ignition, not more	14,0
MgO, not more	0,3		
Fractions content in size %			
less than 5 μm	60±5%		
less than 20 μm	85±5%		
Sieve residue № 014	0,2%		
Physical and chemical properties of kaolin			
Temperature, °C			
of samples sintering	1450-1500		
melting	1720-1750		
Technical properties of kaolin			
Density of dried kaolin at 100 °C, g/cm ³	2,58		
Moisture content, %, not more	0,5		

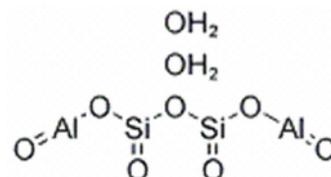
Package: 20 kg bags, 1000 kg big-bags.

Kaolin

GRADE KR-1

CAS №: 1332-58-7, EC №: 265-064-6

Chemical formula: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$



Appearance: White color clay consisting of kaolinite mineral.

Application: Filling material for industrial-rubber and plastic articles, building materials. It is widely used during production of various types of ceramics.

Specification:

Mass content of oxides,, %			
SiO ₂ , not less	46,1	K ₂ O, not more	1,0
Al ₂ O ₃ , not less	36,0	Na ₂ O, not more	0,2
Fe ₂ O ₃ , not more	0,6	SO ₃ , not more	0,15
TiO ₂ , not more	0,7	P ₂ O ₃ , not more	0,1
CaO, not more	0,4	Loss on ignition, not more	14,0
MgO, not more	0,3		
Fractions content in size %			
less than 5 μm	60±5%		
less than 20 μm	85±5%		
Sieve residue № 014	0,2%		
Physical and chemical properties of kaolin			
Temperature, °C:			
of samples sintering	1450-1500		
melting	1720-1750		
Technical properties of kaolin			
Density of dried kaolin at 100 °C, g/cm ³	2,58		
Moisture content, %, not more	0,5		

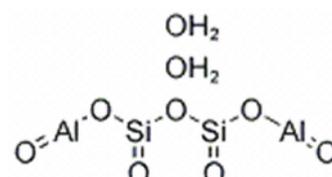
Package: 20 kg pockets, 1000 kg big-bags.

Kaolin

GRADE KC-1

CAS №: 1332-58-7, **EC №:** 265-064-6

Chemical formula: $\text{Al}_2\text{O}_3 \cdot 2\text{SiO}_2 \cdot 2\text{H}_2\text{O}$



Appearance: White color clay consisting of kaolinite mineral.

Application: Production of enriched kaolin, ceramics, refractories, cements

Specification:

Mass content of oxides, %			
SiO ₂ , not less	65,4	K ₂ O, not more	1,0
Al ₂ O ₃ , not less	23,0	Na ₂ O, not more	0,2
Fe ₂ O ₃ , not more	1,0	SO ₃ , not more	0,15
TiO ₂ , not more	0,9	P ₂ O ₃ , not more	0,1
CaO, not more	0,4	Loss on ignition, not more	7,5
MgO, not more	0,3		
Fractions content in size %			
more than 0,06mm	3,12-13,23		
0,06-0,01 mm	8,18-13,57		
0,01-0,005	17,70-25,80		
0,005-0,001 mm	28,82-42,83		
less than 0,001 mm	20,49-40,00		
Sieve residue № 0056	55,0 %		
Physical and chemical properties of kaolin			
Temperature, °C			
of samples sintering	1450-1500		
melting	1720-1750		
Technical properties of kaolin			
Density of dried kaolin at 100 °C, g/cm ³	2,58		
Moisture content, %, not more	22		
Whiteness (reflection coefficient), %	70±2		

Package: 20 kg pockets, 1000 kg big-bags.