

TECHNICAL DATA SHEET

KAOLIN

PROPERTIES

PROLAT's Kaolin is a Greek natural product of nature silicate that is produced from the grinding of the mineral Kaolin and is mined in Milos. It is in the form of a soft white powder of stable granulometry and high fineness (3.7% residue in a 43 µm sieve). It is hydrophilic and creates stable dispersions when dissolved in water (> 40-50%) while if mixed with smaller amounts of water (20% -30%) it acquires plastic like properties.

APPLICATION

Kaolin is widely used in the production of paper, in the production of paints and mortars. It is also an excellent raw material for the manufacture of porcelain and refractory utensils and objects.

STORAGE

Store in the original sealed container in a dry, shady place for at least 12 months from the date of manufacture.

SAFETY

This product is not dangerous.

PACKAGING

Sack of 25 kg / 1200kg of pallet

Technical characteristics: (Measurement conditions 23 ° C and 50% R.H.)

Form	White Fine Dust	Moisture content	1,4%
Color	White	Loss on ignition	Max 22.45%
Density	2,73 g/cm ³	Oil absorption	24g/100g
Whiteness (MgO)	69.7 %	Water soluble salts	1,4%

Chemical composition

Al ₂ O ₃ : 9.85%	Fe ₂ O ₃ : 0.94%	CaO : 26.42 %	Na ₂ O : 0.10%
SiO ₂ : 46.4%	TiO ₂ : 0.43%	MgO : 0.33%	K ₂ O : 1.10%

