



TECHNICAL DATA SHEET

KAOLIN POWDER

KAOL-PWDR

General Properties

Kaolin powder from MAYN is a natural product that is extracted from the quarries in Egypt. It is crushed, ground, and classified into various categories according to the industry's requirements. Mineral formula is $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$. It is a clay mineral, earthy, soft and has a beige color. It is used in paper, ceramics, paints, coatings, and rubber industries.

Chemical Composition

IUPAC Name	Chemical Formula	Weight (%)
Silicon dioxide	SiO_2	65.0%
Aluminum oxide	Al_2O_3	25.0%
Iron (III) oxide	Fe_2O_3	1.20%
Titanium dioxide	TiO_2	1.30%
Calcium oxide	CaO	0.25%
Magnesium oxide	MgO	0.15%
Chloride	Cl	0.05%
Loss in Ignition	L.O.I.	12.0%

Physical Properties	
Color	Beige
Specific gravity	2.6 g/cm ³
Bulk density	0.5 g/cm ³
Refractive index	2
Hardness (Moh's)	2.5
PH	7 - 8
Moisture content	1%
Melting point	1750 °C
D (97)	45 µm (Micron)

Type of Packing
PP BAGS 25 KG
JUMBO BAGS

Kaolin powder is a prepared natural product. All data are approximate values and do not represent any warranty

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MAYN

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