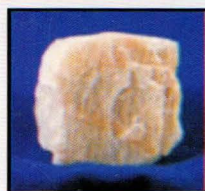


# R.K. Minerals

Producer & Suppliers



QUARTZ

PYROPHYLLITE

BALL / PLASTIC CLAY

MICA POWDER

FELDSPAR

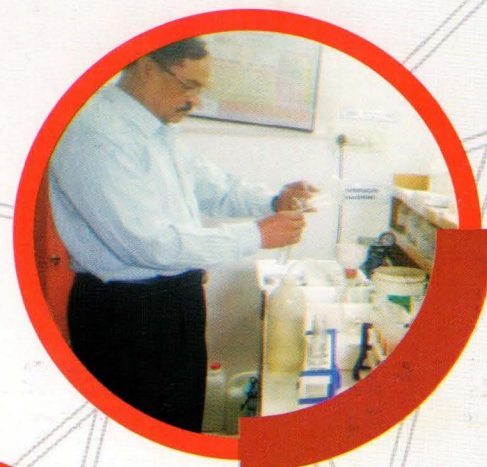
CHINA CLAY

CALCITE

DOLOMITE POWDER

LIMESTONE

SOAPSTONE POWDER



## R.K. Minerals

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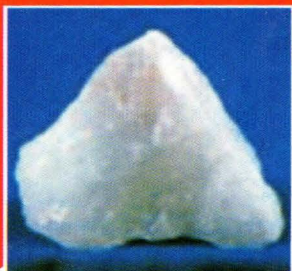
Email : rkminerals\_udr@yahoo.com



# About Us

M/s. R.K. Minerals has been engaged in mining of minerals. They are processing and supplying them to various industrial units. It is headed by Shri Amit Saxena a Mining Engineer and a qualified person duly recognized by the Indian Bureau of Mines, Govt. of India. The organization also has a mineral testing laboratory which makes it self- dependent upto a great extent. Mr. Amit Saxena has been supplying Soapstone (Talc), Calcite, Quartz, China Clay and Dolomite for more than last 15 years and has attained good reputation in the market. It has a sister concern named as M/s. Apex Enviro Lab. which is duly accredited by NABL (National Accreditation Board for Testing & Laboratory).

In the course of processing, the samples of powder are taken and analysed at the laboratory. Further, prior to dispatching the mineral again samples are taken, analytical report prepared and sent to the consumer along with the consignment. This ensure quality control. The organization is managed by highly experienced professionals like Mining Engineers, Geo Surveyors and other technical staff.



## Quartz

Quartz is the second most abundant mineral in the earth's crust, after feldspar. Chemically, quartz is silica, or silicon dioxide,  $\text{SiO}_2$ . Quartz is a constituent of granite and other felsic igneous rocks. It

is very common in sedimentary rock such as Sandstone & shale and is also present in variable amount as an accessory mineral.

Uses of Quartz: It is suitable for white opaque transparent glaze and white ware body transparent glaze. Inferior quality is suitable for ceramic body. Quartz is rather hard having a hardness of 7 on the Moh's hardness scale, and has a glassy (vitreous) luster. Quartz is physically and chemically resistant to weathering. Most of the quartz is contained in granite, a smaller amount in metamorphic rocks, and a small amount in sedimentary rocks. However the highest concentration of quartz can be found in sedimentary and metamorphic rock as sand stone and quartzite as well as in alluvium and marine sand.

Uses: It finds use in glass industry and ceramic industry.

The white sands typically found in river beds and on beaches are usually composed mainly of quartz.



## Ball / Plastic clay

Ballclays are kaolinitic sedimentary clays that commonly consist of 20-80% kaolinite, 10-25% mica, 6-65% quartz. Our product is in high demand in the market. It is available at the most nominal

price.

Uses: The main utility of ball clay is in plastic industry due to its high bonding qualities and tensile strength. It is added in preparation of body composition of vitreous sanitary wares, bath tubs, and hotel chinaware, and floor, wall tiles. It is also utilized in production of porcelain, spark plugs etc.

## Pyrophyllite



Pyrophyllite is isomorphous with the common mineral Talc, but has aluminum in place of the magnesium. It is very similar to Talc, with very similar properties and habits.

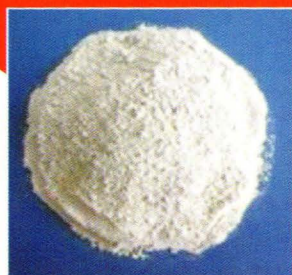
It is of metamorphic origin formed as a result of metamorphism of deposits containing. Kaoline, diosbore, quartz assemblage.

We are engaged in supplying a diverse range of Pyrophyllite Powder that is a secondary mineral of composition  $\text{Al}_2\text{O}_3 \cdot 4\text{SiO}_2 \cdot \text{H}_2\text{O}$ . It is hydrated aluminum silicate.

Specialty: Pyrophyllite is harder in comparison to talc. It does not flux when fired.

Uses: It is used in the ceramic products, particularly refractory. Pyrophyllite is used for ceramics, in paints, insecticides, and in the production of rubber. It is also used as a minor ornamental stone for carvings and sculptures.

## Mica Powder



The Mother rock of Mica is Pegmatite which is of igneous origin. Good quality of mica deposits occur when pegmatite intrudes into the country rock mica schist. We produce a superior grade of

Mica Powder. Generally mica is found in book form and can be creaved into thin sheets. Mica is chemically silicate of aluminum having water of crystallization and containing elements like potassium, sodium, magnesium, lithium, vaedium & iron.

Uses: Due to its dielectric property & lower power factor it is invaluable to electrical industry. It can with stand high temperature also. Mica powder is used as a filler in rubber, as flex standard in paints. It is also used for electro coating, water proof packing as a roofing material.





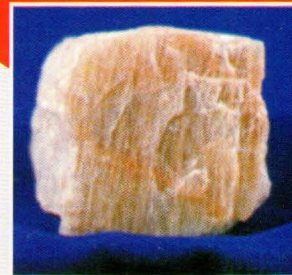
## China Clay

China Clay is actually kaolinite. Its chemical composition is  $\text{Al}_2\text{Si}_2\text{O}_5(\text{OH})_4$ . It is a layered silicate mineral. Rocks that are rich in kaolinite are known as kaolin or china clay.

The China Clay supplied by us meets the international standard and is high in demand. It is produced by levigation of raw china clay obtained from mine. It is available at a very competitive price. It is marketed as super textile, paper, pottery and rubber grades. The grading of the material is primarily done on the basis of whiteness and grit content.

Uses: It is used for manufacturing electrical, insulator. It is also used in pharmaceutical and cosmetic industry. It is used in large quantity as filler & reinforcing agent in rubber goods.

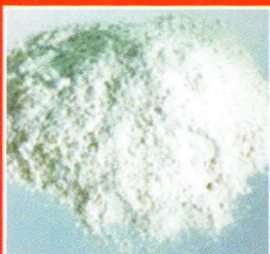
## Feldspar



Feldspar is formed as a result of crystallization from magma veins in both intrusive and extrusive igneous rock and are also present in many types of metamorphic & sedimentary rocks. It is the most the abundant rock-forming mineral in nature and is basically aluminium silicate with potassium, sodium & calcium. It is generally marketed after grinding to specified a mesh according to consumer's needs

Feldspars ( $\text{KAlSi}_3\text{O}_8$  –  $\text{NaAlSi}_3\text{O}_8$  –  $\text{CaAl}_2\text{Si}_2\text{O}_8$ ) are a group of rock-forming tectosilicate minerals that make up as much as 60% of the Earth's crust

Uses: It is used in manufacturing glass pottery in high grade colourless glass. It is also used in ceramic industry as glazed in chinaware.



## Dolomite Powder

Dolomite is an anhydrous carbonate mineral composed of calcium magnesium carbonate, ideally  $\text{CaMg}(\text{CO}_3)_2$ . It is of sedimentary origin supposed

to have been formed due to alteration of calcium carbonate sediments or rocks by sea-water rich in magnesia. A wide variety of dolomite powder is available with us.

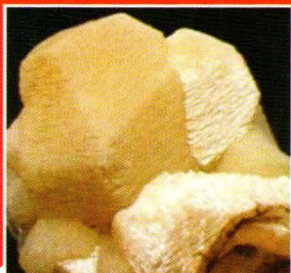
Uses: Iron & steel industries are its largest consumers. It is also used in glass industry. A wide variety of dolomite powder is available with us.

## Limestone



Limestone is a very common sedimentary rock consisting of more than 50% calcium carbonate. Although it occurs in many different forms, its origin can be traced back to

either chemical or processes that occurred in the geological past, often tens to hundreds of millions of years ago. Its largest consumer are sugar and cement industries. It is available with us at a very competitive price.



## Calcite

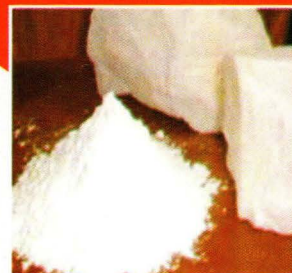
Calcite is a carbonate mineral and the most stable polymorph of calcium carbonate ( $\text{CaCO}_3$ )

Uses: Calcite is primary ore of calcium. It is also used in manufacturer of fertilizer,

metals, glass rubber & paint. Calcite is pure carbonate. It occurs in a variety of shades and colours

Uses: It is essential to cement industry and a number of chemicals are also manufactured with this.

## Soapstone Powder



Soapstone (also known as steatite, or soaprock) is a talc-schist, which is a type of metamorphic rock. It is largely composed of the mineral talc and is thus rich in magnesium.

It is produced by dynamothermal metamorphism and metasomatism. The pure white quality of soapstone after grinding to powder is known as 'French chalk' in trade.

Uses: It is mainly used for carving out pots, bricks. It is employed as linings for various kinds of stoves, ovens and fireboxes.

We produce and supply a wide range of soapstone at a very competitive price. Bricks made from crushed soapstone, bonded with silicates of soda are used for manufacturing of furnaces in which crude lead is softened.

**Best Quality**

**Tested Minerals**

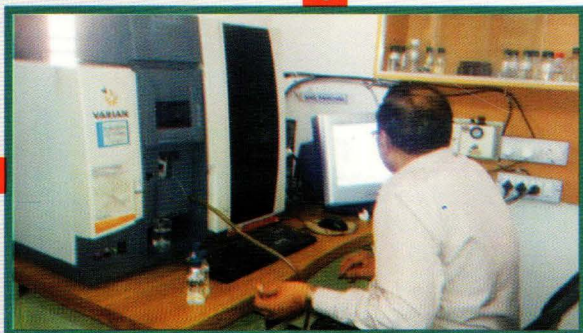
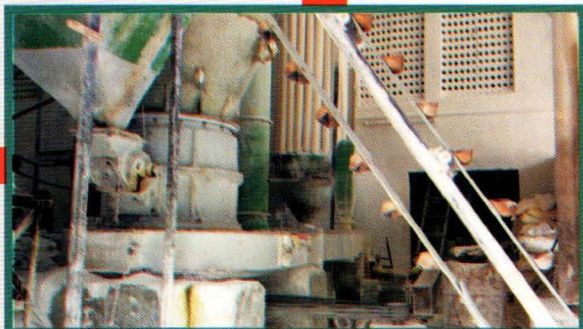
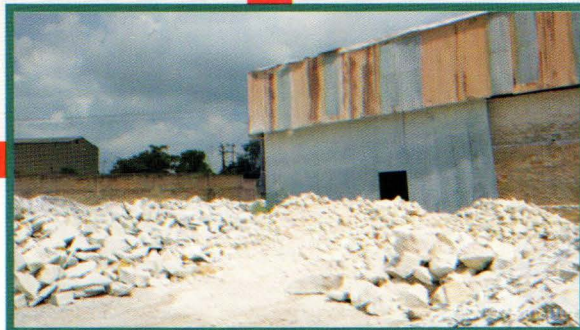
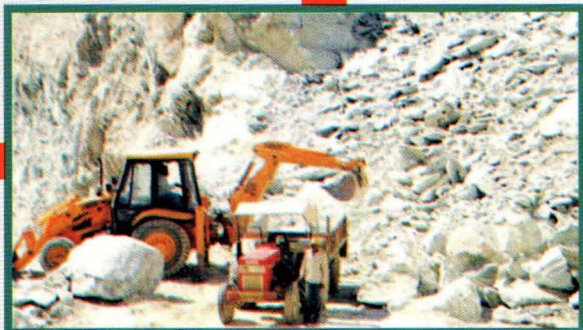
by highly experienced professionals





# R.K. Minerals

Udaipur



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