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*Sincerity Sales and Service*

SINCE 1978

MANUFACTURER & STOCKIST OF MICRONISED MINERALS

**ROYALTY MINERALS**  
Sincerity, Sales, Service

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Royalty Minerals, Godown No 1,2,3, Bldg No B-11, Parasnath Complex, Val Pada, Bhiwandi, Dist Thane.

## • BARYTES POWDER

Barytes or Barite is widely used in the fields of all kinds of high-grade paint, engineering plastic, medicine compounding chemical industry, rubber, paper-making, pottery, cosmetic etc because it has a lot of advantages, such as a strong inertia, good stability, acid and alkali proof, moderate rigidity, high specific gravity, high whiteness, absorb in harmful radial.

Typical Physical and Chemical Properties:			
BaSO <sub>4</sub>	93 to 99%	CaO	Below 1%
SiO <sub>2</sub>	1.2%	Specific Gravity	4.3
Fe <sub>2</sub> O <sub>3</sub>	0.05%	Oil Absorption	10-15 % w/w
pH	6.5 to 7.5		



## • CALCITE POWDER

Calcite is also known as chalk powder or natural calcium carbonate. It is in bright white color and we supply Calcite varying from sizes of 300 Mesh upto 2 Microns

Typical Physical and Chemical Properties:			
CaCO <sub>3</sub>	97-98%	Specific Gravity	2.7
MgCO <sub>3</sub>	2-3%	Oil Absorption	23 % w/w
Fe <sub>2</sub> O <sub>3</sub>	0.25%	pH	9.10



## • DOLOMITE POWDER

Dolomite is in bright white color and we supply Dolomite varying from sizes of 150 Mesh upto 2 Microns. Dolomite is also being used as Fillers by detergents, steel, paints and ceramics

Typical Physical and Chemical Properties:			
CaCO <sub>3</sub>	56%	Dry Whiteness	93 + 2 %
MgCO <sub>3</sub>	43%	Specific Gravity	2.89
Bulk Density	9.7 ml / 100 gms		



## • GRAPHITE

GRAPHITE is a form of elemental carbon. Graphite is used in several fields due to its electrical conductivity and chemical properties

Typical Physical and Chemical Properties:			
Fixed Carbon	From 50% to 95%	Volatile Matter	From 6% to 1%
Ash Contain	Balance		



## • SILICA/QUARTZ POWDER/SAND

Silica/Quartz Powder/Sand is the most abundant and most common mineral on the Earth. It is chemically inert in contact with most substances. It has electrical properties and is heat resistant.

Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	98.7%	Specific Gravity	2.7
Fe <sub>2</sub> O <sub>3</sub>	Nil	Oil Absorption	25 % w/w
Al <sub>2</sub> O <sub>3</sub>	0.5%	Bulk Density	910 gm/ltr



## • CHINA CLAY POWDER

China Clay / Kaolin Clay is naturally occurring hydrated Aluminium Silicate. It mainly has oil absorbing properties, reduced shine and translucent properties. It also provides hiding effect and reduces the usage of TiO<sub>2</sub> to a great extent.

Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	45%	CaO	Below 1%
Al <sub>2</sub> O <sub>3</sub>	38%	Specific Gravity	2.7
Fe <sub>2</sub> O <sub>3</sub>	0.78%	Oil Absorption	30-32 % w/w
pH	6.5 to 7		



## • CALCINED KAOLIN CLAY

Calcined Kaolin Clay is Calcinated China Clay by Heating upto 1200°C. It mainly has very less LOI, oil absorbing properties, reduced shine and translucent properties. It also provides hiding effect and reduces the usage of TiO<sub>2</sub> to a great extent.

Typical Physical and Chemical Properties:			
Analysis			
SiO <sub>2</sub>	53.75%	Al <sub>2</sub> O <sub>3</sub>	44.35
Oil Absorption	47.00 gm / 100 gm	LOI	0.2
pH	4.5		



## • MICACEOUS IRON OXIDE

MIO Micaceous Iron Oxide is considered an anti-corrosive additive used in many kinds of paints and coating and is perhaps the most important barrier pigment used in coatings to protect structural steel due to its unique properties of insolubility in water, organic solvents, alkalis and is only slightly soluble in strong acids, it is non-reactive with most chemicals Micaceous iron oxide is generally soft and it is used in the manufacture of welding rods (electrodes). It is also used as a coating material in the preparation of welding rods.

Typical Physical and Chemical Properties:			
Analysis			
Fe <sub>2</sub> O <sub>3</sub>	95.32%	Specific Gravity	4.5
Mesh	325 Mesh	Oil Absorption	15 gm / 100 gm
Lamellar Content	Above 90%		



## • PPTD CALCIUM CARBONATE POWDER

Precipitated calcium carbonate is a versatile additive for use in a wide range of plastic and elastomeric applications. Its regular and controlled crystalline shape and ultrafine particle size provides our customer with an outstanding cost/performance opportunity.

Typical Physical and Chemical Properties:			
CaCO <sub>3</sub>	98%	Specific Gravity	2.7
MgCO <sub>3</sub>	1.5%	Oil Absorption	23 % w/w
Fe <sub>2</sub> O <sub>3</sub>	0.25%	pH	9.10



## • PRECIPITATED SILICA

Precipitated Silica has wide application as a Filler, softener and performance improvement agent in rubber, plastics, toothpastes, food processing, pharmaceuticals etc. It has its unique properties of Neutral pH, Low water content (Moisture) and various physical and chemical properties for all kinds of Industries as per their Gradation and Characteristics

Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	98.5%	Al <sub>2</sub> O <sub>3</sub>	0.15%
Fe <sub>2</sub> O <sub>3</sub>	0.03%	pH	6.8
Whiteness	101		



## • RED IRON OXIDE

Red Iron Oxide Powder is one of the major ore of iron called Hematite and is ideal for use as a pigment. Red Iron Oxide is widely used in Paints, Plastics, Printing Inks, Cosmetics etc because of its unique property of giving luster its high iron content and effective cost reduction while giving different shades.

Typical Physical and Chemical Properties:			
Analysis			
Fe <sub>2</sub> O <sub>3</sub>	83.56%	Specific Gravity	4.5
LOI	2.4	Oil Absorption	20.05 gm / 100 gm
Mesh	500 Mesh	pH	8.8



## • STEARIC COATED CALCIUM CARBONATE

We also offer high grade Activated Calcium Carbonate / Stearic Coated Calcium Carbonate, which is known for its better dispersion and stability. We offer our customers quality Activated Calcium Carbonate that is formulated using qualitative range of base materials.

Typical Physical and Chemical Properties:			
Fineness	99 % passing BS 300	Ph value	9.5 to 9.8
Calcium Carbonate Content	98.5 % Min	Moisture	0.4%
Magnesia as MgO	0.4 % Max.	Stearic Acid Coating	Above 2.5%



## • TALC POWDER

Talc / Soapstone also known as Steatite Powder in pulverized form is whiter in appearance. We offer Talc in varying fineness, from 200 Mesh to size of 700 Mesh. Talc / Soapstone is used as a filler in paper, rubber, textile, paints, face and talcum powder, soap, fireproof roofing, foundry facings, lubricants, linoleum and oilcloth, electrical insulation, and pottery.

Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	52%	CaO	Below 1%
MgO	31%	Specific Gravity	2.7
Fe <sub>2</sub> O <sub>3</sub>	2.5%	Oil Absorption	39 % w/w
pH	8-8.5		





## • MICA

Mica is chemically called as Potassium Alumina Silicate ( $K_2O \cdot Al_2O_3 \cdot SiO_2$ ). Mica acts as a filler and extender, provides a smooth consistency, improves the workability of the compound, and provides resistance to cracking.

Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	46 %	Loss on Ignition	9%
Al <sub>2</sub> O <sub>3</sub>	35%	Specific Gravity	2.8
K <sub>2</sub> O	10%	PH Value	8.5



## • WHITING POWDER

Typical Physical and Chemical Properties:			
CaCO <sub>3</sub>	60-70%	Specific Gravity	2.7
MgCO <sub>3</sub>	20-25%	Oil Absorption	21 % w/w
Fe <sub>2</sub> O <sub>3</sub>	2.15%	pH	8.90



## • WOLLASTONITE

Wollastonite is a naturally occurring white mineral, with hardness of 4 to 5 Mho. Wollastonite is alkaline, inert, has low loss on ignition, low water solubility. It also improves tear strength, dielectric properties and retains mechanical properties at elevated temperatures.

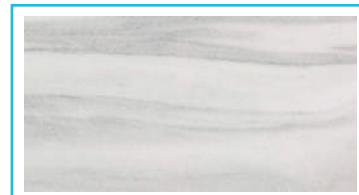
Typical Physical and Chemical Properties:			
SiO <sub>2</sub>	46.5%	Fe <sub>2</sub> O <sub>3</sub>	0.78%
CaO	45.5%	Al <sub>2</sub> O <sub>3</sub>	0.75%
MgO	0.88%	Specific Gravity	2.8
Hardness	4 to 5 Mho		



## • MARBLE SAND/POWDER

Marble Sand/ Powder is widely used in Texture Paints and other Allied Industries. We can Provide you Marble Sand of various Sizes viz, 50/150, 24/60, 30/80, 1MM, 2MM etc.

Typical Physical and Chemical Properties:			
Hardness	3.0	Calcium Carbonate	56 %
Specify Gravity	2.65	Magnesium Carbonate	43 %
Loss on Ignition	0.13%		



## • PRECIPITATED BARIUM SULPHATE

Precipitated Barium Sulphate ( $BaSO_4$ ) is the purest form of Barium Sulphate, widely used in Paints, Coating and other allied Industries. Precipitated Barium Sulphate has properties of chemical stability, neutral pH, High  $BaSO_4$  and Good hiding effect. We have PPTD Barium Sulphate upto 2 Microns.

Typical Physical and Chemical Properties:			
Purity of Barium Sulphate	99%	Chlorides	0.05%
Oil Absorption	13%	Particle Size	2 Microns



## APPLICATIONS



## TESTING PARAMETERS

- Fineness of Extenders
- Bulk Density
- Whiteness of Extender
- pH Value
- Oil Absorption
- Sieve Residue
- Moisture Content
- Various other Chemical Compositions

### ABOUT US

Established in Year 1978 by Late Mr. Rajnikant Mohanlal Dalal (Bhagat) Currently it is handled by Mr. Chetan Rajnikant Dalal (Bhagat) and Mr. Dipen Dalal (Bhagat)

### SPECIALIZATION

Specialization in Micronised Minerals Upto 2 Microns, Silica Sand and Marble Sand of Various Gradients Sizes

### OUR MOTTO

Sincerity Sales and Service

### LOCATION

Factory at Udaipur, Warehouse at Bhiwandi, Customer base all over India

### INDUSTRIES WE CATER

Paints, Rubber, Plastics, Printing Inks, Flooring, Powder Coating, Speciality Coatings, Pigments

### TESTING PARAMETERS

Fineness of Extenders, Bulk Density, Whiteness of extender, pH value, Oil absorption, Sieve residue, Moisture content etc.

## CONTACT INFO

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