



**Vaaidehi Minerals**  
*We Add Value to your Products*

*An ISO 9001 :2008 Certified Company*

Inspiring quality & performance for satisfying our customer needs is the #1 and only aim of our management team.



Vaaidehi Minerals is a part of nearly 10 years old Vaaidehi Group of companies.

We are engaged in processing & distribution of industrial minerals like Talc, Mica, Dolomite, Silica, Feldspar, Calcite, China Clay, Barites etc. and, Specialty chemicals like Zinc Stearate, Dibasic Lead Stearate, Calcium Stearate, Ca-Zn Stabilizer, Ca-Pb Stearate, PVC Stabilizer and Zinc Oxide etc.

We have an inhouse developed processing system with a capacity of processing 72,000 MT of material per annum.

Advantages to our Clients:

- ✚ Mining Advantages
- ✚ Processing Advantages
- ✚ Price Advantages
- ✚ Quality Assurance with
- ✚ Time Bound Delivery

## Dolomite:

Dolomite is a double carbonate of calcium and magnesium ( $\text{CaCO}_3$ ,  $\text{MgCO}_3$ ). It is one of the important raw materials used in the iron and steel, ferro-alloys, glass, alloy steels, fertilizer industry, etc. Dolomite chips are also used in flooring tiles.

Dolomite is very similar to the mineral calcite. Calcite is composed of calcium carbonate ( $\text{CaCO}_3$ ) while dolomite is a calcium magnesium carbonate ( $\text{CaMg}(\text{CO}_3)_2$ ). The best way to tell these minerals apart is to consider their hardness and acid reaction. Calcite has a hardness of 3 while dolomite is slightly harder at 3 1/2 to 4. Calcite is also strongly reactive with cold hydrochloric acid, while dolomite will effervesce weakly with cold hydrochloric acid.

Dolomite produces a very weak reaction to cold, dilute hydrochloric acid; however, if the acid is warm or if the dolomite is powdered a much stronger acid reaction will be observed. (Powdered dolomite can easily be produced by scratching it on a streak plate). This makes it a very essential mineral in our day-to-day life.

## Our Standard Dolomite Grades:

Dolomite Grades	VD - 96H13	VD - 96H15	VD - 90M200	VD - 95CF13	VD - 90CR20
Product Name	Premium Quality Dolomite powder	High Grade Dolomite powder	Dolomite powder as filler	Coated Dolomite Powder (1%) - I	Coated Dolomite Powder (1.5%) - II
Whiteness (%)	96%	96%	90%	95%	90%
Moisture (%)	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max
Specific Gravity	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8
Oil Absorption	34-36	34-36	34-36	34-36	34-36
Particle Size	13 micron	15 micron	200 mesh	15 micron	20 micron
Top cut	30 micron	40 micron	500 mesh	40 micron	40 micron
$\text{CaCO}_3$ (%)	54% - 56%	54% - 56%	52% - 55%	54% - 56%	52% - 55%
$\text{MgCO}_3$ (%)	40% - 42%	38% - 40%	30% - 32%	38% - 40%	30% - 32%
$\text{SiO}_2$ (%)	4% - 6%	8 - 10%	8 - 10%	8 - 10%	8 - 10%
$\text{Fe}_2\text{O}_3$ (%)	2%	2%	2%	2%	2%
$\text{Al}_2\text{O}_3$ (%)	14% - 16%	15% - 16%	15% - 16%	15% - 16%	15% - 16%
LOI	45% - 47%	45% - 47%	42% - 45%	45% - 47%	42% - 45%
Applications	Ceramics, Plastics, Paints; Detergent/soap	Plastics & paints industry; Ceramics	Ideal for detergents and soaps	Paints and Plastics industry	Paints and Plastics industry
Excise	As Applicable				
CST/VAT	2% CST against 'C' Form Otherwise 5%				
Packing	50 Kg HDPE Bag				
Freight	Extra				
Offer Validity	5 Days				
Payment	Advance, L/C, T/T				

Note: Apart from the above grades, we do manufacture tailor made Dolomite based upon clients' requirement.

## Dolomite Applications:

- A. Dolomite in Paper industry: Used as integral filler in paper to give smoothness and gloss.
- B. Dolomite in Plastics industry: Used in PVC footwear, PVC pipes, cables and others.
- C. Dolomite in Paints and Coatings industry: Used widely in cement paints, exterior paints, primers, putties, powder coatings and industrial finishes.
- D. Dolomite in Adhesive industry: Used in adhesives and carpet backing.
- E. Dolomite in Glass industry: High-grade dolomite with as low content as possible is required by the glass industry. Glass grade dolomite is typified by its purity and consistency.
- F. Dolomite in Agriculture industry: Dolomite for use in fertilizer industry must have  $\text{CaCO}_3 + \text{MgCO}_3$  90% (min.) and  $\text{SiO}_2$  5% max.
- G. Dolomite in Environmental Protection: Dolomite's reaction with acid also makes it useful. It is used for acid neutralization in the chemical industry, in stream restoration projects and as a soil conditioner.



For more information please visit us @ [www.vaaidehiminerals.com](http://www.vaaidehiminerals.com)

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