



An ISO 9001:2008 Certified Company

AKJ MINCHEM PRIVATE LIMITED

WE EMPOWER YOUR GROWTH

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



AKJ MINCHEM PVT LTD is a part of nearly 22 years old AKJ Group of companies.

We are engaged in processing & distribution of industrial minerals like **Talc, Calcite, Dolomite, Quartz, Silica, Soda Feldspar, Potash Feldspar, Mica, China Clay, Red Ocher, Pyrophyllite, Barites** etc. and, Specialty chemicals like **Zinc Stearate, Calcium Stearate, Calcium Oxide** and **Zinc Oxide** etc.

We have an inhouse developed processing system with a capacity of processing 12,000 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 (CaCO_3 , 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 (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**.

Dolomite has a Mohs hardness of 3.5 to 4 and is sometimes found in rhombohedral crystals with curved faces. 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.).

Chemical Composition :

CaCO_3	: 54%
MgCO_3	: 43.0%
CaO	: 30%
MgO	: 18-20%
Fe_2O_3	: 0.5%
SiO_2	: 1.5 TO 10 %
Al_2O_3	: 0.5%

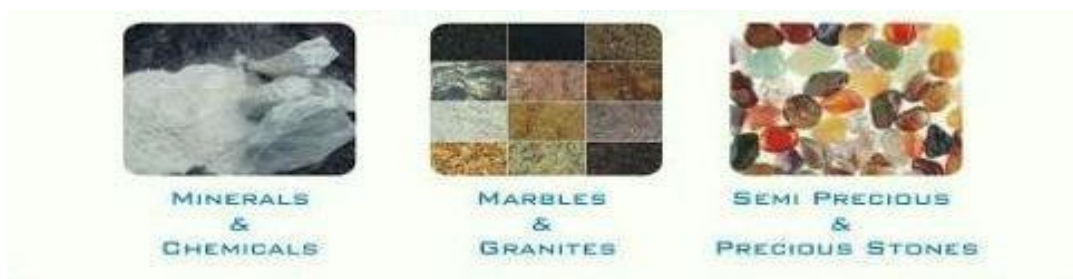
Our Standard Dolomite Grades:

ITEMS	AMPL-D1	AMPL-D2	AMPL-D3	AMPL-D4	AMPL-D5	AMPL-D6	AMPL - D7	AMPL-D8
Dolomite Grades / Model no.	DOLO RAJO	DOLO BASO	DOLO STD	DOLO ECO	DOLO MEDO-R	DOLO MEDO-B	DOLO CALCO	DOLO GRAINO
Product Name	Premium Dolomite Superfine	Premium Dolomite Superfine	High Grade Dolomite powder	High Grade Dolomite powder	Industrial Filler Dolomite	Industrial Low Silica Dolomite	Calcium Based Dolomite	Snow Dolomite Grains
Whiteness	96±2%	96±2%	92±2%	92±2%	90±2%	90±2%	90±2%	90±2%
Moisture (%)	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max	0.5 max
Sp.Gravity (g/cm ³)	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.8	2.6 - 2.9	2.6 - 2.10
Oil Absorption	34-36	34-36	34-36	34-36	34-36	34-36	34-37	34-38
Particle Size	5-20 micron	5-20 micron	500 mesh	500 mesh	200/300	200/300	All	.1 to 2.5 mm
Top cut	10-45 micron	10-45 micron	45 micron	45 micron	200/300	200/300	All	.1 to 2.5 mm
CaCO ₃ (%)	54±2%	56±2%	54±2%	56±2%	54±2%	56±2%	70±2%	54±2%
MgCO ₃ (%)	40±2%	42±2%	40±2%	42±2%	40±2%	42±2%	65±5%	40±2%
CaO(%)	30±2%	30±2%	30±2%	30±2%	30±2%	30±2%	45±2%	30±2%
MgO(%)	18±2%	20±2%	18±2%	20±2%	18±2%	20±2%	10±2%	18±2%
SiO ₂ (%)	10±2%	1±.3%	10±2%	1±.3%	10±2%	1±.3%	10±2%	10±2%
Fe ₂ O ₃ (%)	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%
Al ₂ O ₃ (%)	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%	1%±.5%
LOI	43±3%	43±3%	43±3%	43±3%	43±3%	43±3%	43±3%	43±3%
COATED/ UNCOATED	BOTH	BOTH	BOTH	BOTH	BOTH	BOTH	BOTH	-
Applications	Paints, Paper, Ceramics, Plastics, Detergents & Colour	Paint & Coating Sanitary, Chemical, Soap, Food Grade,	Glass, Adhesive, Plastics & paints, Wall Putty, Ceramics	Ideal for Chemicals, Coatings, detergents and soaps	Industrial Filler, Ceramics, Paints, Wall Putty, Plastics	Industrial Filler, Ceramics, Paints, Wall Putty, Plastics	Construction materials, Sanitary, PVC, Pipes, Ceramics, Feeding.	Paints, Ceramics, Chemicals, Coating, Filler, Plastic, Agricultural.
* Tailor Made : Apart from the above grades, we do manufacture tailor made DOLOMITE based upon clients								
* Packaging : 25/50 kgs pp bag; 1ton/bag; 1*20 fcl can load 22-25 MT or upon clients' requirement								

GSTIN : 5%
 Packaging : 50 Kg HDPE Bag/ 1 MT Jumbo Bags.
 Freight : Extra
 Offer Validity : 15 Days
 Payment : Advance & L/C.

Dolomite Applications:

- **Dolomite in Paper industry:** Used as integral filler in paper to give smoothness and gloss.
- **Dolomite in Plastics industry:** Used in PVC footwear, PVC pipes, cables and others.
- **Dolomite in Paints and Coatings industry:** Used widely in cement paints, exterior paints, primers, putties, powder coatings and industrial finishes.
- **Dolomite in Adhesive industry:** Used in adhesives and carpet backing.
- **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.
- **Dolomite in Agriculture industry:** Dolomite for use in fertilizer industry must have $\text{CaCO}_3 + \text{MgCO}_3$ 90% (min.) and SiO_2 5% max.
- **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.akjminchem.com

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