الضحى للتعدين

AL DOHA FOR MINING

MICRONIZED CACLIUM CARBONATE

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AL DOHA FOR MINING
EGYPT
MADE IN EGYPT
ISO 14001:2004
ISO 9001:2008

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About us

Al Doha for Mining was founded in 2010 with the mission of serving the micronized calcium carbonate sector in various capacities. Manufacturing and production capabilities will be completed by the end of 2017.

Our 6800m2 enclosed manufacturing facility is located in Beni Suef industrial zone. El Menia region is home to one of the purest, whitest calcium carbonate reserves in the world. We process that local calcium carbonate in our facility's laboratory, controlling for the chosen parameters and finally transfer it to be used in the manufacturing stage.

Natural and surface treated micronized calcium carbonate are our two main product groups. We market our products under the brand of Al Doha quality control, product innovation and customer satisfaction are core principles for our company. In addition to marketing our products in Egypt, we are involved in Africa, the Middle East and Latin America.

Al Doha uses the ISO 9001 : 2015 quality control system. We also possess ISO 14001 Environmental Safety certifications. Al Doha mission is to use the latest technology and advanced processing techniques, together with the highest quality raw materials, to provide our customers with natural or surface treated clacium carbonate for their own manufacturing needs.

Constantly Developing

Customer-Focused

Solution Oriented

Always Innovative

Experienced

Environmental-Friendly

OUR CORPORATE POLICIES

- Be in continous improvment to find the truth.
- To produce products fully meet customers satisfaction and their quality expectations in a continous reliable and economical way.
- To apply requirments of "ISO 14001:2004" and maintain its activities accordingly with Environmental awarness that we borrowed from future generations.
- To comply with the targets set on Quality, Environmental and Health and by putting into service the necessary resources for these, adopt a priorty task to ensure the continuity of "ISO 14001:2004", to implement the management system standards effectivly.
- To create awareness individual responsibility about Quality, Environment, Occupational Health and Safety and to accept education as always indispensable for improving.
- To be aware of the fact that Occupational Health and Safety is our responsibility and how omportant it is for business purpopses.

OUR PRINCIPLES

- To carry the responsibilty of "Total Quality" as all units are working in our company.
- To comply with all existing laws and regulations taking into account the protection of the environment, concerning their activities.
- Responding to relevant persons and institutions in the light of the principle of transparency in demand of the environment.
- To use of new technologies in our production, services and activities during the period begins from the project phase, lasts until the delivery of the finished product. In this way, to keep environmental pollution and risks under control.
- To train and sensitize our employees and other staff members operating in our facilities in terms of environmental sense.
- To share responsibilities and power among our employees to fulfill the requirments laws, regulations, directives and Occupational Health and Safety.
- To ensure an effecient, secure and healthy working environment, to enable communication, to improve their employees' individual performance and to reward success and knowledge using internal and external all kinds of resources in an appropriate an useful way.

OUR MAIN AIMS

- To keep cutomer satisfaction at the highest level. To reduce the consumption of energy and raw materials.
- To identify potential pollution risks, to control and manage them.
- To control our hazardous and non-hazardous waste, reduce arising from our all activities.
- To ensure the effective internal and external communication. To avoid possible work accidents.

DESCRIBING MICRONIZED CALCIUM CARBONATE

Micronized Calcium Carbonate is described as the Calcium Carbonate Powder; obtaining of calcite ores having high purity and whitness, sized according to production processes and can be used according to many industrial sectors.

Chemical Properties

Calcium Carbonate		
CaCO3	min	99.3%
MgO	max	0.06%
Fe2O3	max	0.08%
SiO2	max	0.01%
Insoluble in HCl	max	0.009%

Physical Properties

Calcium Carbonate		
Denisty	2.7 g/ml	
Mohs Hardness	3	
Whiteness (Elrepho 450) L	min	98.5%
Moisture Content (exwork) (ISO 782-2)	max	0.17%

PRODUCTS & SPECIFICATIONS

COATED

No	Product code	Particale size	
		D50 (micron)	D97 (micron)
1	DM1 T	1.5	5.5
2	DM 2SF T	1.8	8
3	DM 2 T	2	10
4	DM 3 T	3	12
5	DM 4T	4	18
6	DM 5 T	5	25
7	DM 11 T	11	39

NORMAL

No	Product code	Particale size	
		D50 (micron)	D97 (micron)
1	DM1	1.5	5.5
2	DM 2SF	1.8	8
3	DM 2	2	10
4	DM 3	3	12
5	DM 4	4	18
6	DM 5	5	25
7	DM 11	11	39
8	DM 19	19	56

PAINTS INDUSTRY

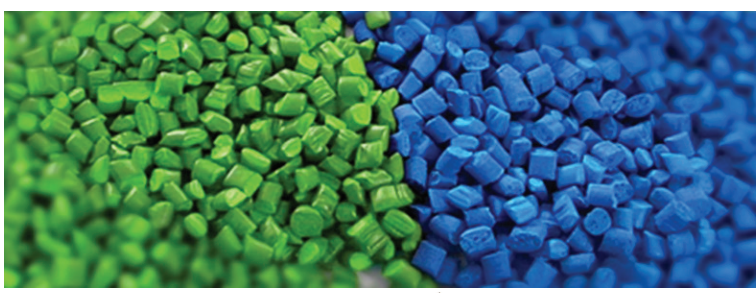
In Paints and Coatings Industries, Micronized Calcium Carbonate is used as main filler material in accordance with the production processes.
By means of its high purity, Micronized Calcium Carbonate ensure low oil absorption, easy disolve, low abrasion, resistance to outdoor weather conditions, the distruction of the etching, Ph specification stabilizer in paint and coatings industries providing superior performance and significant cost economies.
Thanks to our high purity and whiteness in our calcite ores and quarries, qualifest micronized calcium carbonate we manufacture ensure these in the process of paints production;

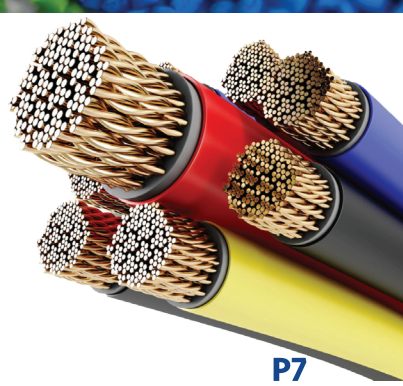
- By controlling the viscosity of the process applied during the production process, it accelerates the thickening.
- Thanks to brightness, purity and whiteness, calcium carbonate have the features that ensure cost reduction and reduce titanium dioxide consumption.
- Suitable particles size distribution, increase opacity and brightness.
- Thanks to the width of the surface area, increase brightness.
- Increase the impact resistance of the film.
- Prevents the flow of the paint film.
- Our products provides high dispersion in the process of paint manufacturing process.
- Our ultra fine products provide smooth surface and high opacity.

PLASTIC INDUSTRY

In Plastic and Cables Industries, Micronized Calcium Carbonate is used as main filler material with high level of consumption.
Categorized as "Surface Treated Micronized" and "Natural Micronized", Surface Treated Micronized have hydrophobic characteristic and also it supplyies easy dispersant during the process of manufacturing of plastics.
Beside these, calcium carbonate has a feature of preventing overheating of molds in PVC industry.
Additionally, Surface Treated Calcium Carbonate with Stearic Acid obtain stabilized rates of torque and ampere machines and equipments that are used for the plastics. Consequently, it enriches the formulation process of the final products in plastic industy.
Micronized Calcium Carbonate grades are sized in according with production processes of the manufactures and by means of this they have the ability to increase quality of their final products and provide cost reduction in PVC and Cables industries.
Thanks to Raymond and Pinned Systems, Micronized Calcium Carbonate grades' surface coated homogeneously. Advantages of using Micronized Calcium Carbonate in the process of Plastics Industies are as follows:

- Carrier chemicals used in formulations are easily absorbed.
- Calcium Carbonate has hardening, stabilizing surface properties of final materials and impact resistance and also durability feature against aging of final materials.
- It provides a positive effect on the notched plastics against impact resistance.
- Calcium Carbonate supplies cost reduction thanks to its brightness. In this way, consumption of color pigments in plastics industries decreases.
- By means of its slipprevents, appropraite level of hardness and doesn't include any heavy metals; it preventsdegradation of machines used for Plastic Industries.
- It has a resistant feature against impact resistance by means of its hardness degree, flexibility, stress prevention and strength.
- It provides Dop Oil savings in according with surface treating.





CONSTRUCTION CHEMICALS INDUSTRY

Granulated and Micronized Calcium Carbonate grades with high whiteness and purity degrees, are widely used in the process of Construction Chemicals due to its relevant cost.
Producing appropraite AFS granulated size ranges of products,**AL DOHA** for Mining enriches the formulations of construction chemicals manufacturers.

Advantages of usage Calcium Carbonate in construction chemicals industry :

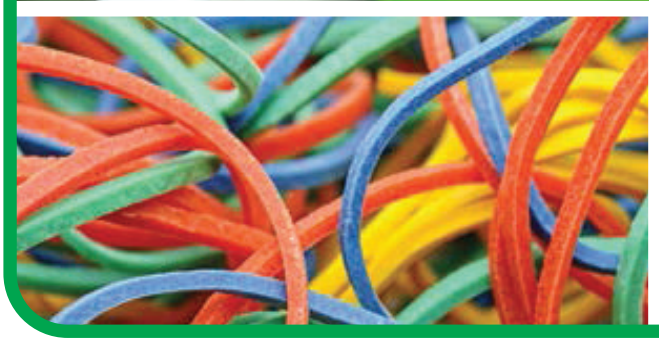
- It reduces sound and vibration.
- Granulate Calcium Carbonate is carrier of color pigments in terms of transparency.
- It increases the adhesive property of construction chemicals.
- It provides easy dryin and water absorption.
- It delays aging against natural factors.
- It provides thermal insulation property.
- It demonstrates mechanical prperties such as agging resistance and rheology thanks to its mineral filler feature.

PAPER INDUSTRY

- Reduce the amount of precious fibrous raw material.
- Save costly energy.

RUBBER, ELASTOMER & THERMOSETS INDUSTRY

- Reduce costs.
- Improve mechanical and optional properties.

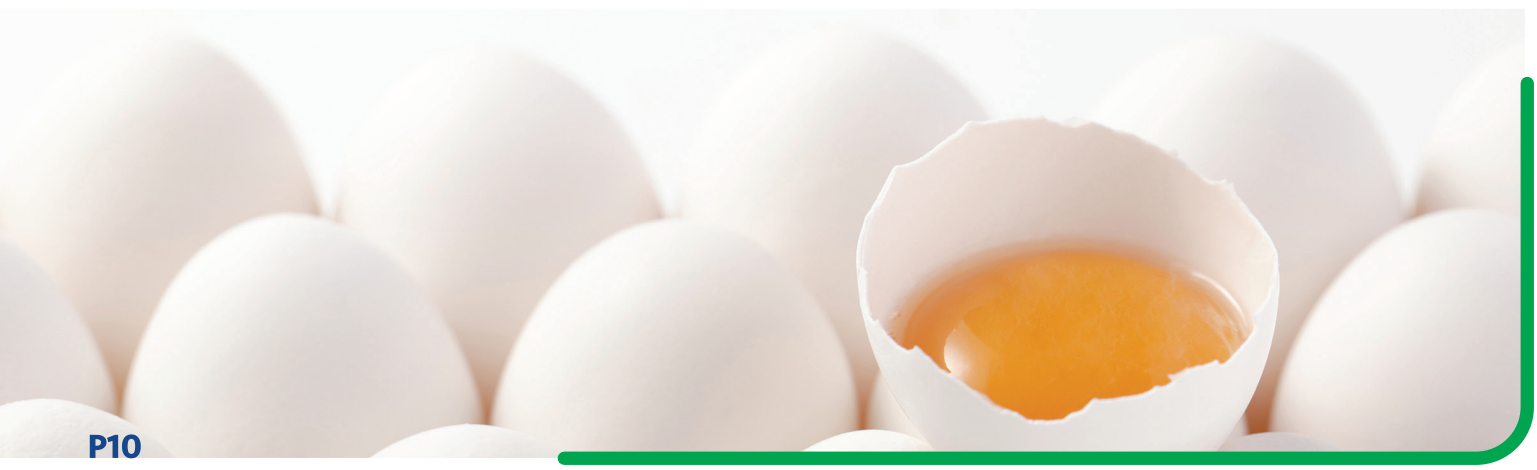


FEED INDUSTRY

Natural Calcium Carbonate both in the form of raw materials and grinded are used in Feed Industry. Due to the fact that Calcium carbonate contains plenty of calcium, it provides a crucial effect in terms of bone growth in young animals.

Additionally and significantly, during shell eggs creation of poultry, Calcium Carbonate has an effect on this process that it gets shell eggs became stiff.

Because of these reasons, **AL DOHA FOR MINING** products are widely prefered in Feed Industry.



QUALITY CONTROL and R&D

The first step of the continuity of product quality is control and analysis of all inputs used in the production with great care.

In accordance with our manufacturing process, we use lots System implementation and in our instant analysis of samples taken at frequent intervals. By means of this process, we ensure the continuity of qualified products measurements. Approved and qualified products are taken to our warehouse. Our laboratory is equipped with the latest technology built on a wide range of devices, consisiting of chemists and chemical engineers, it is engaged in working with experienced staff in the industry.In our laboratory particle size distribution, whiteness degree, moisture and ash content are tested elaborately.

In addition to these, R&D activities are also carried out taking into account the evolving market requirements.

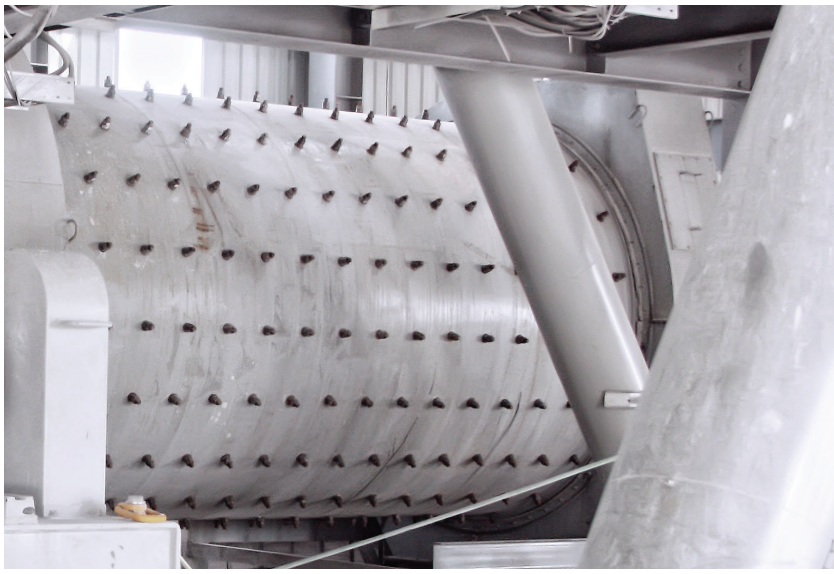
“innovating and refining to maintain the highest quality”

OUR QUARIES & RESERVES

One of our quarries and reserves, takes place in El Menia - Egypt and has approximately 400 years calcite reserve.
It is over 32,300 km area & located 100 km from our production facility.

OUR FACILITY & PRODUCTION

In our facility within all requirements of the latest technology, the monthly 12,000 tons of production capacity and experts in the field is producing with 60 employees covered by technical products that we focus on the production, our nano-micron to 56 micron
products, quality standards and continous basis and Surface Treated and Natural Micronized Calcium Carbonate are available to our customers.



PACKING & LOGISTICS

Established its laboratory with the latest technology equipments, AL DOHA FOR MINING requested products are tested for conformity in accordance with the standards in terms of particle size distribution and whiteness degree.

After conformation is fulfilled, analysis certificates and technical data sheets are prepared according to technical spectations the calcium carbonate grades.

According to the demand, our products are packaged in kraft paper bags and PP bags, pallets or big bags slingbag with our full automatic packaging machine, reffered by providing product lot number tracking is performed according to ISO standards.

Our company takes place in a critical area that we can make seaway, rail road and overland shipments for our domestic and international shipments in the fastest way and considering delivery time of the shipments. In this way, we offer our customers the ability to work in cooperation with minimum inventory.

www.aldohaformining.com

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