



AL-TAJYR

FOR EXPORT & MANUFACTURING



About us

Al-TAJYR is your premier B2B partner in the heart of the Middle East, dedicated to revolutionizing supply and transportation solutions for our esteemed clients. At Al-TAJYR, we specialize in providing a seamless and efficient procurement experience of more than 25 years that caters specifically to the needs of businesses, saving you the hassle of shipping and optimizing both time and cost savings.

" At Al-tajyr, we craft connections that last a lifetime."



Our History

We export to



+20 Client



+200 Order



Fastest Delivery Time

Our Mission

To simplify procurement, accelerate delivery,
and provide superior service.

Our Vision

To make every client's journey easy, safe
and profiting.



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Calcium Carbonate Masterbatch

Calcium Carbonate Master Batch

Calcium carbonate Master Batch is an exceptional compound. The chemical formula CaCO_3 represents a raw material that exists everywhere in nature - whether dissolved in rivers and oceans, melted as "cold" CARBONATITE LAVA and solidified as a mineral, dripstone or as a parent material for whole mountain ranges.

Our Grads:

Product Code	Carrier Resin	CaCO ₃ %	MFL 210 oC/2.16kG	Density Kg/m ³	Injection / Blow Molding	Blown Film	Raffia	Mat	Yarn Filler
MB-R20	PE	78-80	5-6	1.82	●	●	●	●	
MB-F2	PE	77-81	5-7	1.79	●	●		●	
MB-FU9	PE / PP	76-79	4-6	1.90				●	●
MB-S22	PE / PP	78-80	5-8	1.81		●	●	●	
MB-S44	PE / PP	79-81	5-7	1.83			●	●	

Raffia

Tape in the raffia market also benefits from the use of sophisticated, fine-treated calcium carbonate, which provides outstanding mechanical properties and superior quality at ever-increasing mineral loadings.

Injection

Using calcium carbonate Master Batch in injection is a proven solution for improving product properties and productivity. It is widely used in furniture, household appliances, automotive industry.

Film

Calcium carbonate is currently used to enhance mechanical properties and improve productivity in a wide variety of applications, from thin films to thicker sheets. Calcium carbonate can boost the output of processing lines while achieving improved impact strength and higher stiffness.

Blow molding

Offers substantial benefits in blow molding applications for producing bottles or containers.





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White Masterbatch

White Masterbatch

high-quality whites

Our white Masterbatch are formulated with high-end pigments that ensure optimum opacity and the right shade of white for your specific needs. Our white Masterbatch products are used extensively throughout the thermoplastics industry and can be engineered to incorporate a wide range of additives such as ultraviolet stabilizers , mold-release, antistats,nucleators

Advantages White Masterbatchs :

- very high Opacity.
- Uniform particle size thus better mixing
- High Brightness & shining
- More whiteness even at lesser Loading
- exccellent dispersion with polymer
- No issues of bleed or bloom .

White Masterbatch is developed with ultras white & ultras fine TiO2 to provide better properties to the product . white Masterbatch is added to provide more whiteness & products. White Masterbatch can be used with PE as well as PP .

Packing: Standard packing of 25 KG Woven Bags provided with liner .

Product Code	Carrier Resin	TiO2 %	MFI190 oc/2.16kG	Density Kg/m ³	FILLER	Injection / blow Moldinr	Blown Film	Thin Film	Raffia
R1120	PE	20	6-12	1.78	●	●			●
R3530	PE	30	6-12	1.84	●	●			●
R3530B	PE	30	6-12	1.84	●	●			●
R3540	PE	40	6-12	1.95	●	●			●
W1050	PE	40	6-12	2.1	●		●	●	●
W1060	PE	60	6-12	2.5	●		●	●	●
W1170	PE	70	6-12	2.8			●	●	●



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Color Masterbatch

Color Masterbatch

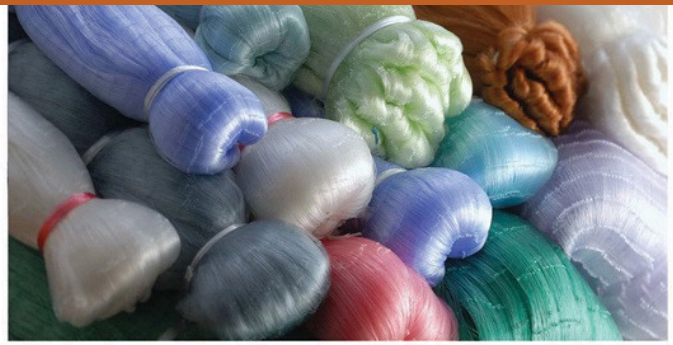
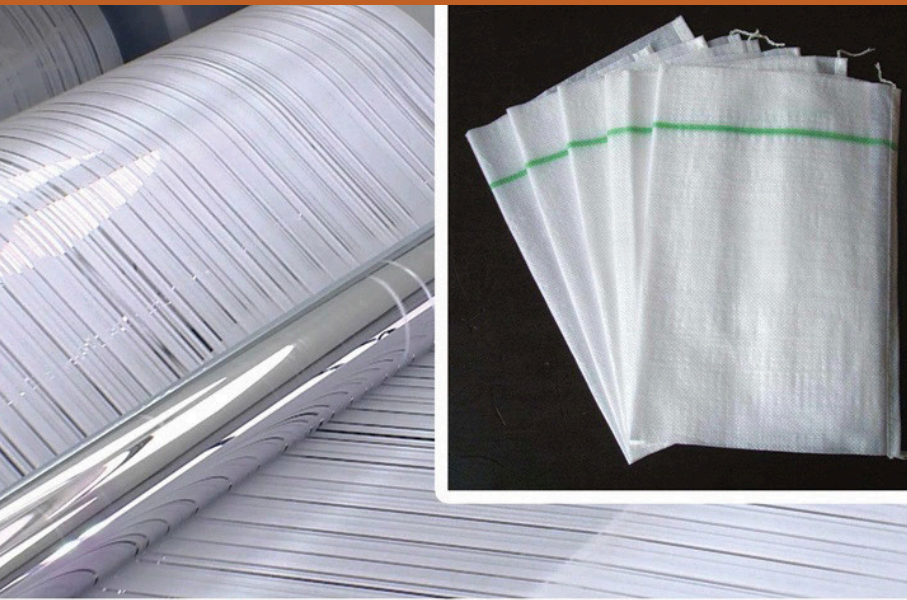
dramatic color to plastic resins and all application . Color that delights the eye.
 Color that differentiates. Color that adds value . Color that identifies from and function
 products include injectionn, Mat, Blow molding , Film and Raffia.
 Delivering hundreds of standard colors as well as custom formulations and color/additive.

We assure the consistency of various lots of color masterbatch .

For more details about specific products kindly contact us .

	Blue					yellow					Green					Red					Purple					Orange					Silver		Gold		
Product Code	7012	7013	7015	7700	7	2010	2102	83	2103	2106	3406	3501	14	3505	3508	6015	6049	59	6108	6110	9101	9102	V-23	9103	9108	5016	5100	39	5109	5300	5	8	20	23	
Injection	•	•	•	•	•	•	•	•	•	•	•				•					•	•	•		•	•					•	•	•			
Blow Molding			•				•		•			•		•						•				•	•		•		•		•	•			
Blow Film	•	•	•	•					•		•	•			•		•		•		•	•				•	•			•	•	•			
Raffia			•				•				•			•			•		•		•	•							•			•			
Mat		•				•			•					•	•	•						•													
Fiber				•			•					•					•						•					•						•	•





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Calcium Carbonate CaCO₃

Quality Policy

We are dedicated to meet all the requirements of our customers and always improve to get the full satisfaction.

Paints Coatings Adhesives

The paints and coatings industry with its numerous applications is an important consumer of ground calcium carbonate (GCC) which is used as functional filler due to its economic advantage and desired physical properties such as high brightness, weather resistance, low oil absorption and dispersability. ECC offers a variety of calcium carbonate grades providing the different paints and coatings products with improved characteristics and enhancements for opacity, and gloss control.

Industrial Coatings & Inks

The natural calcium carbonate is known for its low oil absorption, low abrasiveness and anti-corrosion properties which makes it an important ingredient in the domain of industrial coatings.

Industrial Coatings & Inks

Ground calcium carbonate is not only economic filler but, is considered as a booster to some important characteristics such as mechanical properties and sagging resistance for the adhesives and sealants profile.



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Paper

paper coating applications, calcium carbonate is used to make a whiter, brighter sheet. In paper filling applications, calcium carbonate can improve the whiteness of the sheet and reduce costs by replacing expensive fiber and pigments, the chemical properties of calcium carbonate are used to produce non-acidic paper

Fillers

Ground calcium carbonate is generally recognized for having the best potential as an economic filler-for-fiber substitution. Calcium carbonate also provides advantages in high strength, easier drainage and productivity

Coating Pigments

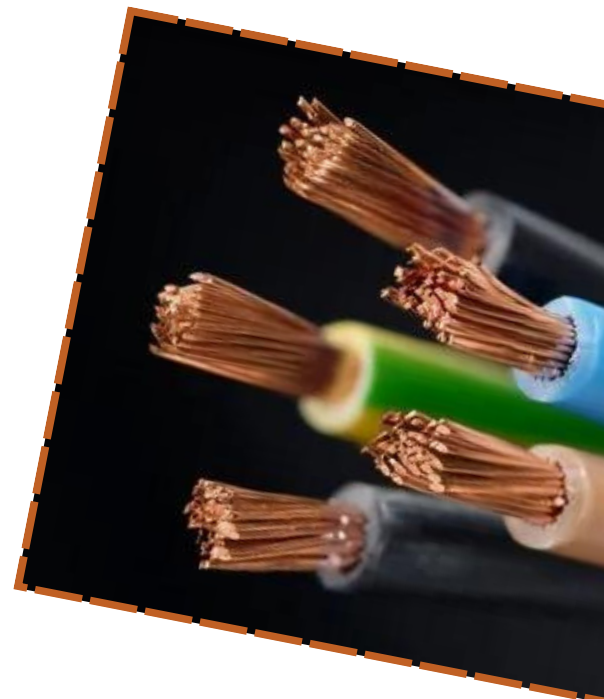
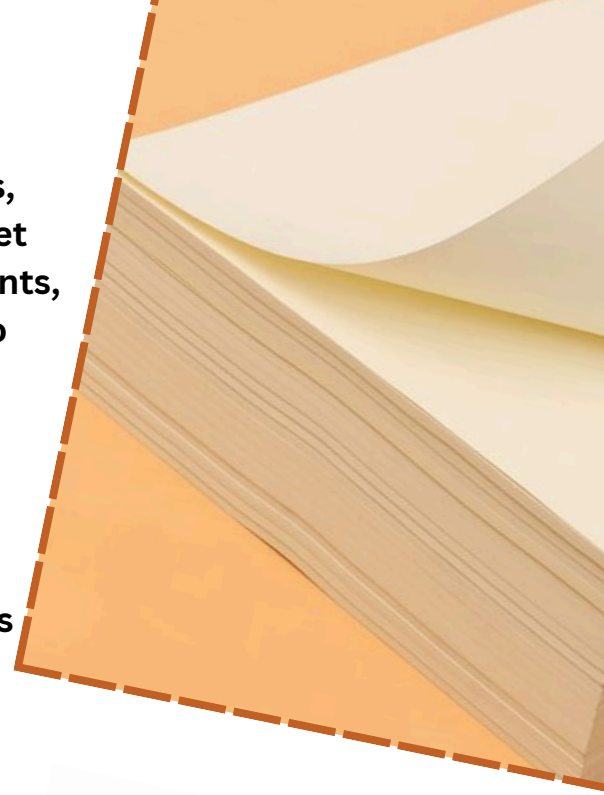
The technical and economic advantages of calcium carbonate as paper coating pigments achieve high brightness, low binder demand, better run ability, and excellent printability and desired gloss.

Plastics

Ground calcium carbonate (GCC) secures great benefits to the numerous types of plastics. GCC is known for its ability to increase rigidity and improve some mechanical properties for plastics such as tensile strength and impact strength. Our exceptionally white limestone products are valuable for the use in uPVC and other polymers applications.

Cables

Ground calcium carbonate (GCC), treated with stearic acid is a desired ingredient in the PVC cable formulations due to its economic advantage and its characteristics that contribute to achieving the desired electrical, mechanical and thermal properties



Masterbatch

(or filler master batch) is a concentrated mixture of calcium carbonate and other additives encapsulated during a heat (mainly extrusion) process into a carrier polymer resin which is then cooled and cut into granules (pellets) making Caco3 masterbatch a solid additive for plastics .

Pipes & Fittings

GCC products with fine particle size and stearate coating give good mechanical and optical properties with the required toughness and tensile strength for this application

Rubber Moldings / Extrusions

GCC products with their exceptional whiteness, good dispersion and low oil absorption properties are excellent filler for these applications

Construction “Concrete”

Calcium carbonate is used in the as filler in concrete products such as sewage pipes, in ready-mix and pre-cast concrete. GCC improves workability properties of semi-dry, plastic or self-compacting concretes and self-leveling mortars.

Ceramic Tiles & Bricks

Calcium carbonate filler is used for its chemical properties as it efficiently decreases shrinkage of the clay. It also acts as a pigment to improve the quality of the clay or to enlarge the range of clay tiles and bricks that can be manufactured

Ceramic Tiles & Bricks

Talc Powder is an excellent filler due to blending characteristics. It exhibits thermal and electrical resistance properties as well as excellent scrub resistance, reduced sagging, good coverage. higher loading and water resistance . It is chemically inert. Used in the production of decorative paints , industrial coatings, pigment pastes, primers and enamels. Also used in polishing pulses and printing inks.



GRADE	WHITENESS
talc 1	≥ 88 %
talc 2	≥ 83 % - ≤ 87%

COATED CALCIUM CARBONATE

CHEMICAL ANALYSIS	SF 70T	SF 60T	SF 50T	SF 40T	ECC 1T	ECC 2T	ECC 3T
CaCo3					99%		
MgCo3					0.20%		
SiO2					0.01%		
Fe2O3					0.01%		
Al2O3					0.04%		
L.O.I					43.89%		
PHYSICAL ANALYSIS							
Specific gravity	2.7g/cm ³	2.7g/cm ³	2.7g/cm ³	2.7g/cm ³	2.7g/cm ³	2.7g/cm ³	2.7g/cm ³
Refractive Index	1.59%	1.59%	1.59%	1.59%	1.59%	1.59%	1.59%
Hardness	3.0	3.0	3.0	3.0	3.0	3.0	3.0
Bulk Density(ISO787/11)	0.6g/ml	0.8g/ml	0.9g/ml	1.0g/ml	1.1g/ml	1.2g/ml	1.3g/ml
Brightness	97.0	96.0	96.0	96.0	96.0	96.0	96.0
PH value (ISO787/9)	9.0	9.0	9.0	9.0	9.0	9.0	9.0
D.O.P Oil absorption(ISO787/5)	24.0	24.0	24.0	24.0	24.0	24.0	24.0
Linseed Oil absorption (ISO787/5)	21.0	20.0	19.0	18.0	17.0	16.0	15.0
FINENESS							
D98	5	7	8	10	14	18	20
D50	1.4	1.6	2	2.7	3	4	5
<2 micron	70	60	50	40	33	27	25
Stearic Acid% PMT± 0 %	1.4	1.3	1.2	1	0.9	0.85	0.8
Stearic Acid KG/PMT	14	13	12	10	9	8.5	8

NORMAL CALCIUM CARBONATE

CHEMICAL ANALYSIS	ECCSF70	ECCSF60%	ECCSF50%	ECCSF40%	ECC1	ECC2	ECC3	ECC4
CaCo3								99% MIN
MgCo3								0.05%
SiO2								0.01%
Fe2O3								0.01%
Al2O3								0.02%
L.O.I								43.89%
FINENESS								
D(98)(± 1UM)	5	6	8	10	12	18	25	35
D(50)(UM±0.2)	1.4	1.6	2	2.5	3.4	4.5	5.5	6.5
<2UM	70±2%	60±2%	50±2%	40±2%	34±2%	30±2%	25±2%	20±2%
PHYSICAL ANALYSIS								
Brightness	96.50%	96.50%	96.50%	96.50%	96.00%	96.00%	96.00%	95.8%
Whiteness (Min)	98.50%	98.50%	98.50%	98.50%	98.00%	98.00%	98.00%	97.8%
Hardness(Mohs)	3	3	3	3	3	3	3	3
Moisture (wt.%)	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.3 Max	0.3 Max
PH value (ISO787/9)	9 Max	9 Max	9 Max	9 Max	9 Max	9 Max	9 Max	9 Max
Bulk Density (g/cm³)(ISO787/11)	0.45±0.05%	0.05±0.05%	0.55±0.05%	0.57±0.05%	0.06±0.05%	0.07±0.05%	0.08±0.05%	0.085±0.05%
Linseed Oilabsorption (g/100g) (ISO787/5)	22.5±1%	21.5±1%	20.5±1%	19.5±1%	19±1%	18±1%	17±1%	16±1%



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we craft connections that last a lifetime



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