

NATIONAL CARBONATE COMPANY

Jordan has an abundance of industrial rocks and mineral resources, some being exploited and utilized while other have undergone extensive studies and now require interested investors to complete their exploration and development.

Limestone is sedimentary rock composed mainly of calcium carbonate (CaCO_3) occurring as calcite or occasionally aragonite in recent deposits, and as for the pure limestone which is predominates in high (CaCO_3) is more than 95%, while NCC's quarries produce parity levels of 99.5% .

Pure Limestone Uses

Agricultural uses in soil conditioning, fertilizers and animals feed.

As filler material in paints, rubber, paper, ceramics, floor tiles.



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Development opportunities

The future for calcium carbonate in Jordan will be based on future development of the paints, plastics and polymer industries in the Middle East. Carbonates Companies in Jordan have established themselves as regional leaders in the field.

And due to the demand for (CaCO_3), National Carbonate Company was established during 2009 to take part in development of Calcium Carbonate industry, by establishing a modern factory, with a production capacity of 60,000 tpy as a start, and we are expanding this capacity during 2019 to 2020 to 200,00tpy.

NCC started its production with good specifications and quality that is needed by the neighboring and international markets.

The company operates a plant at (Damkhi) 70km south of Amman based on Jordanian high purity limestone to produce a wide range of ultra-fine product up to the granular.

The plant supplied with limestone from quarries owned by the company, which have an estimated reserves of 20,000,000 tons with guaranteed quality.

Sales :
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Technical Data Sheet

DESCRIPTION OF THE PRODUCT

Natural, Ground Calcium Carbonate, Produced from high purity limestone.

CHEMICAL ANALYSIS OF THE RAW MATERIAL

CaCO ₃	99.50 %	(BSI 795-1965)		
Fe ₂ O ₃	0.052 %	MgO	0.17 %	
P ₂ O ₅	0.16 %	Na ₂ O	0.00 %	
SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
HARDNESS (Moh.s Scale)	3
REFRACTIVE	1.59
PARTIAL SHAPE	Crystalline "Rhomb ³ hedral"

TECHNICAL DATA OF THE PROUCED MATERIAL

MOISTURE WHEN PACKED	0.15 %	(ISO 787/2)
(PH) VALUE	8.7	(ISO 787/9)
OIL ABSORPTION	17g /100g	(ISO 787/5)
WHITENESS (Y) VALUE	95.5	(ASTM 313) (Drick, 103C, Data color)
BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	12 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	2.7 µm	

APPLICATIONS

- Paint : Interior and exterior paints.
Plastic : Plasticized PVC extrusions, PVC foam, PVC coatings, polyurethane.
Misc : Rubber, Adhesives, sealing compounds, insecticides, fertilizers, paper

Delivery

- Dispatches Is Made Direct From The Producing Work In Amman-jordan And Immediate Delivery Is Available To Reach Our Customers Anywhere.
- Standard Packing Is Multi -ply Non-returnable Paper Bags Of 25kg In Pallets (As Per Customers Specification).
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DENSITY	2650 Kg/m
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BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINNESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	14 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	3.5 µm	

APPLICATIONS

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Plastic : Plasticized PVC extrusions, PVC foam, PVC coatings, polyurethane.
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SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
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OIL ABSORPTION	17g /100g	(ISO 787/5)
WHITENESS (Y) VALUE	95.5	(ASTM 313) (Drick, 103C, Data color)
BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	25 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	4.5 µm	

APPLICATIONS

Paint : Interior Paints, Oil and synthetic resin systems

PVC : Supported and unsupported vinyl film and sheeting floor tiles, Plastisols, Extrusions, Rigid and Flexible, PVC, Polyurethane, Polyester and polyolefin.

Coated paper, wallpaper, toothpaste, pharmaceuticals.

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P ₂ O ₅	0.16 %	Na ₂ O	0.00 %	
SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
HARDNESS(Moh,s Scale)	3
REFRACTIVE	1.59
PARTIAL SHAPE	Crystalline "Rhomb ³ ohedral"

TECHNICAL DATA OF THE PROUCED MATERIAL

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(PH) VALUE	8.7	(ISO 787/9)
OIL ABSORPTION	17g /100g	(ISO 787/5)
WHITENESS (Y) VALUE	95.5	(ASTM 313) (Drick, 103C, Data color)
BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	32 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	5.5 µm	

APPLICATIONS

Paint : Interior Paints, Oil and synthetic resin systems

PVC : Supported and unsupported vinyl film and sheeting floor tiles, Plastics, Extrusions, Rigid and Flexible , PVC, Polyurethane, Polyester and polyolefin.

Coated paper, wallpaper, toothpaste, pharmaceuticals.

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P ₂ O ₅	0.16 %	Na ₂ O	0.00 %	
SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
HARDNESS(Moh,s Scale)	3
REFRACTIVE	1.59
PARTIAL SHAPE	Crystalline "Rhomb ³ hedral"

TECHNICAL DATA OF THE PROUCED MATERIAL

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OIL ABSORPTION	17g /100g	(ISO 787/5)
WHITENESS (Y) VALUE	95.5	(ASTM 313) (Drick, 103C, Data color)
BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 μm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	45 μm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	7μm	

APPLICATIONS

- Paint : Interior and exterior paints.
- Rubber : automotive products, household products, tubing closures and other areas of manufacture.
- Misc : used in putty, bath tub sealers, body deadeners and adhesives, plastics, polyester fiberglass premixes, Preforms and hand lay-up gel coats.

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P ₂ O ₅	0.16 %	Na ₂ O	0.00 %		
SiO ₂	0.12 %	CaO	55.71 %		
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %		

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
HARDNESS(Moh,s Scale)	3
REFRACTIVE	1.59
PARTIAL SHAPE	Crystalline "Rhomb ³ ohedral"

TECHNICAL DATA OF THE PROUCED MATERIAL

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OIL ABSORPTION	17g /100g	(ISO 787/5)
WHITENESS (Y) VALUE	95.5	(ASTM 313) (Drick, 103C, Data color)
BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	55 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	8µm	

APPLICATIONS

Paint : Interior and exterior paints.

Rubber : automotive products, household products, tubing closures and other areas of manufacture.

Misc : used in putty, bath tub sealers, body deadeners and adhesives, plastics, polyester fiberglass premixes, Preforms and hand lay-up gel coats.

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P ₂ O ₅	0.16 %	Na ₂ O	0.00 %	
SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
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BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	70 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	10 µm	

APPLICATIONS

Paint : Interior and exterior paints.

Rubber : recommended for use as an inexpensive filler in all type of rubber compounds.

Misc : widely used in putty and ceramics, adhesives, linoleum, floor tiles, textile, coatings and many other productions.

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P ₂ O ₅	0.16 %	Na ₂ O	0.00 %	
SiO ₂	0.12 %	CaO	55.71 %	
Al ₂ O ₃	0.030 %	L.O.I.	43.20 %	

PHYSICAL PROPERTIES OF THE RAW MATERIAL

DENSITY	2650 Kg/m
HARDNESS (Moh,s Scale)	3
REFRACTIVE	1.59
PARTIAL SHAPE	Crystalline 'Rhombohedral'

TECHNICAL DATA OF THE PROUCED MATERIAL

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BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	150 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	11.5 µm	

APPLICATIONS

Paint : texture paints polymer based plasters, crack fillers.

plastic : PVC flooring, PVC plastisols, latex coatings and polyurethane

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Al ₂ O ₃	0.030 %	L.O.I.	43.20 %		

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BRIGHTNESS	92.96	(ASTM 313) (Drick, 103C, Data color)

FINESS (Malvern 3000, master sizer)

RESIDUE ON 40 µm	0.01 %	(ISO 787/2)
TOP CUT (D 98)	25 µm	(ISO 787/2)
MAIN PARTICLE SIZE (D 50)	4.5 µm	

APPLICATIONS

Plastic, Rigid PVC, Pipes, Profiles, Calenderer sheets, Molding, Polyolefines, Compound master batch, Elastomers, Paints, Decorating paint.

Treated with (0.8) % Stearic Acid, measured on uncoated material

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TOP CUT (D 98)	12 µm	(ISO 787/2)
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Material Safety Data Sheet (MSDS)

1- Product Information

- Chemical Formula CaCO_3
- H.S. Codes : 2530.90 , 2508.90
- Hazard Y
- Non-toxic
- Not considered to be fire hazard

2- Physical and Chemical Properties

- Fine white powder
- Odorless
- Insoluble in water
- Density 2.7
- PH 8.7

3- Toxicological Information

No LD 50/LC 50 information founded



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