



TECHNICAL DATA SHEET

GROUND CALCIUM CARBONATE (GCC)

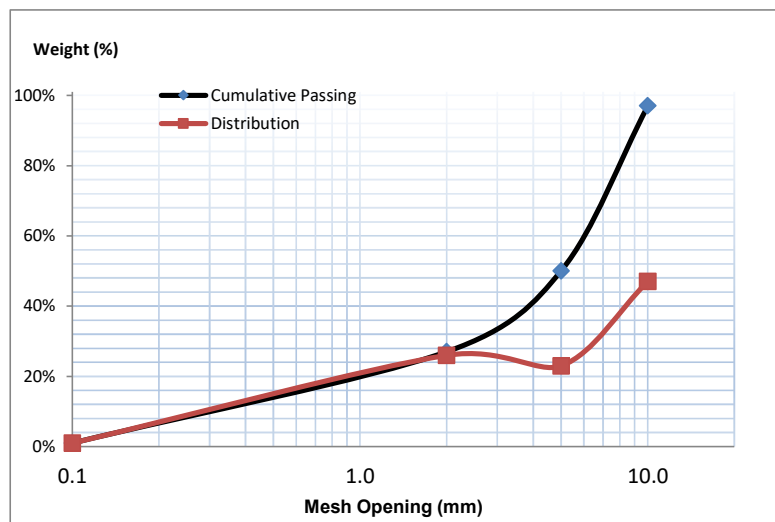
GCC-10-27

General Properties

Ground Calcium Carbonate (GCC) from MAYN is a natural product that is extracted from Minya quarries in Egypt. It is ground according to industry's requirements. Sieves are used to give particle size distribution (PSD). It is used in glaze, plastics, rubber, paper industry, ceramics, sanitary ware, coatings, paintings, adhesives, sealants, mastics, food industry, and other specialty applications where color, binder demand are of importance.

Chemical Composition

IUPAC Name	Chemical Formula	Weight (%)
Calcium carbonate	CaCO ₃	> 99.6%
Silicon dioxide	SiO ₂	< 0.01%
Iron (III) oxide	Fe ₂ O ₃	< 0.01%
Aluminum oxide	Al ₂ O ₃	< 0.01%
Magnesium oxide	MgO	< 0.01%
Loss in Ignition	L.O.I.	43.89%



Physical Properties

Dry brightness	> 96.3%
Specific gravity	2.7 g/cm ³
Refractive index	1.59
Hardness (Moh's)	3
Packed bulk density	1.26 g/cm ³
Oil absorption	19.5
D (97)	10 µm (Micron)
D (50)	5 µm (Micron)
< 2.0 µm	< 27.0%

Type of Packing

Jumbo bag
PP bag 25 kg

Particle Size Range

Weight (%)

0.00 – 2.00 µm	< 27.0%
2.00 – 5.00 µm	> 23.0%
5.00 – 10.0 µm	> 47.0%
10.0 – 15.0 µm	< 3.00%

Sieve	ISO-3310	Tyler	ASTM-E11	BS-410	DIN-4188	Cumulative Weight (%)
2.0 µm	2.0 Microns	-	-	-	0.0020 mm	27%
5.0 µm	5.0 Microns	-	-	-	0.0050 mm	50%
10.0 µm	10.0 Microns	Mesh 1250	-	Mesh 1250	0.0100 mm	97%
15.0 µm	15.0 Microns	Mesh 800	-	Mesh 800	0.0150 mm	100%

Ground calcium carbonate is a prepared natural product. All data are approximate values and do not represent any warranty

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MAYN

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