

## TECHNICAL DATA SHEET

### ECC 4

#### DESCRIPTION & APPLICATIONS

**ECC 4** is a fine particle size, high brightness calcium carbonated derived from pure limestone. It is characterized by its high whiteness. **ECC 4** is used in paper, Powder coating (glossy finish), water based paints, solvent based paints, protective paints, printing inks, adhesives and sealants.

#### CHEMICAL COMPOSITION AND PHYSICAL PROPERTIES

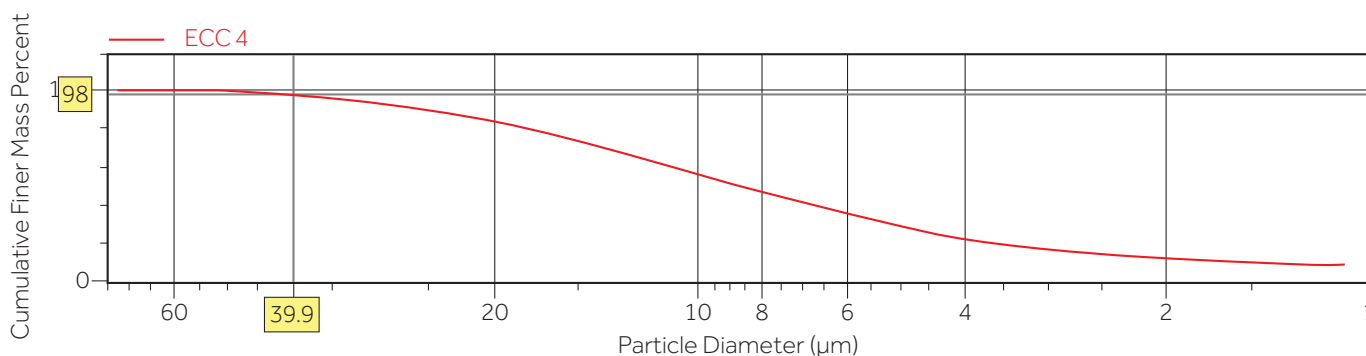
CHEMICAL COMPOSITION		PHYSICAL PROPERTIES	
Content CaCO <sub>3</sub>	99 % MIN	Whiteness	95% MIN (DIN 6174)
Content MgCO <sub>3</sub>	0.20 % MAX	Refractive Index	1.59 %
Content Fe <sub>2</sub> O <sub>3</sub>	0.01 % MAX	Humidity	0.2 % MAX
Content AL <sub>2</sub> O <sub>3</sub>	0.04 % MAX	Hardness (Mohs)	3.00
Content SiO <sub>2</sub>	0.01 % MAX	Density of CaCO <sub>3</sub>	2.730 g/cm <sup>3</sup>
Content Na <sub>2</sub> O	0.05 % MAX	pH	9 (ISO 787/9)
Content CaO	56.06% MAX	Oil Absorption	19.0 ml/100g (ISO 787/5)
L.O.I	43.89 % MAX	Bulk Density	0.85 g/ml (ISO 787/11)

#### FINENESS

Particle Size Distribution by **SEDIGRAPH 5120**:

PARTICLES < 2 μM	MAIN PARTICLE SIZE (D50)	TOP CUT (D98)
----	7.0 μm MAX	40.0 ± 3.00 μm

#### CUMULATIVE FINER MASS PERCENT vs. DIAMETER



**Cairo Plant:** Kafr El-Ulwi, EL-Tebbin, Helwan, Cairo, Egypt.

**Alexandria Plant:** Industrial Zone, Fourth Extension, Borg El Arab, Alexandria, Egypt.

**Phone:** +20 128 394 3739 **Fax:** +202 25 444 700

**Emails:** [inquires@egyptian-carbonate.com](mailto:inquires@egyptian-carbonate.com)

[sales@egyptian-carbonate.com](mailto:sales@egyptian-carbonate.com)

**Website:** [www.egyptian-carbonate.com](http://www.egyptian-carbonate.com)