The Egyptian Carbonate Co. for Mining (S.A.E.)

TECHNICAL DATA SHEET — ECC SF 80

DESCRIPTION & APPLICATIONS

ECC SF 80 is a fine particle size, high brightness calcium carbonated derived from pure limestone. It is characterized by its high whiteness. **ECC SF 80** 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	
Content CaCO3	99 % MIN
Content MgCO3	0.20 % MAX
Content Fe2O3	0.01 % MAX
Content AL2O3	0.04 % MAX
Content SiO2	0.01 % MAX
Content Na2O	0.05 % MAX
Content CaO	56.06% MAX
L.O.I	43.89 % MAX

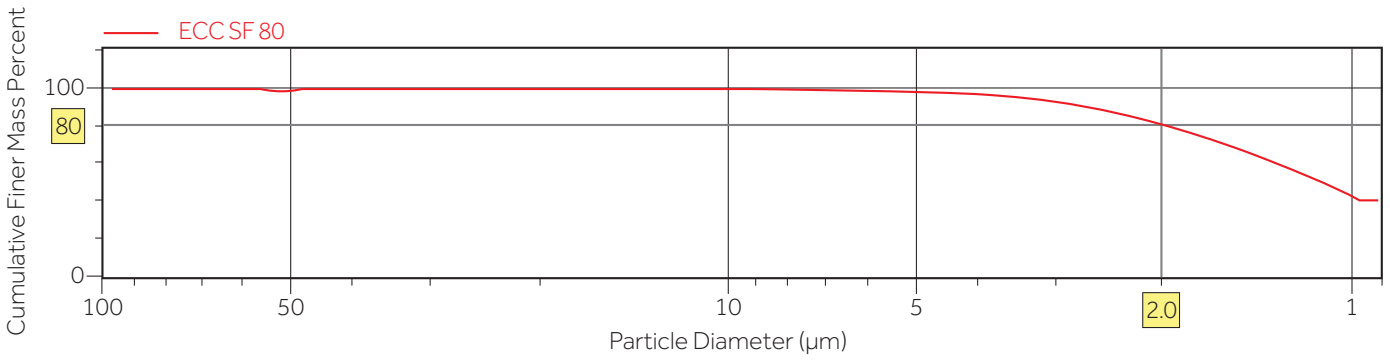
PHYSICAL PROPERTIES		
Whiteness	97.5% MIN	(DIN 6174)
Refractive Index	1.59 %	
Humidity	0.2 % MAX	
Hardness (Mohs)	3.00	
Density of $CaCO_3$	2.730 g/cm^3	
P^H	9	(ISO 787/9)
Oil Absorption	27.0 ml/100g	(ISO 787/5)
Bulk Density	0.45 g/ml	(ISO 787/11)

FINENESS

Particle Size Distribution by SEDIGRAPH 5120:

PARTICLES < 2 µM	MAIN PARTICLE SIZE (D50)	TOP CUT (D98)
80 ± 1 µm	1.2 µm MAX	3.7 ± 0.30 µm

CUMULATIVE FINER MASS PERCENT vs. DIAMETER



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