



Z 110

TECHNICAL DATA SHEET

SHORT DESCRIPTION OF THE PRODUCTS: Precipitated Calcium Carbonate (PCC), White Powder, Pigmentary properties. High rheological powder.

CHEMICAL ANALYSIS OF THE RAW MATERIAL:

CaCo ₃ (ISO 3262-1)	98.5% min.
MgCo ₃	0.5% max.
Fe ₂ O ₃	0.04% max.
Insoluble matter in HCL	0.1% max.

PHYSICAL PRODUCT DATA:

Fineness:

Particle < 2 µm	60%
Particle < 5 µm	89%
Mean particle size (d50%)	1.91 µm
Top cut (d97%)	6.50 µm
Residue on 45 µm (ISO 787-7)	0.04% max.
Whiteness:	96-97%
Crystal structure	Calcite- Aragonite
Moisture (ex-works)	0.3% max.

GENERAL PRODUCT DATA:

Specific Gravity	2.70-2.72
Bulk Density	620-650 g/ml
pH value (ISO 787/9)	9.0 – 10.0
Oil absorption	43-46 g/100g
DOP absorption (ISO 787/5)	48-52 g/100g
Water absorption	52-57 g/100g
Coating content	0.5%

Applications:

Paints and Coating, Powder Coating,
(Optimize the use of Titanium Dioxide).
Interior and exterior paints
Primers, Road marking, Composite

Paper industries:
As filler, paper pigments and paper coating.
Handwrite paper, Printing Paper,

Water Based Printing inks, Printing Paste,
Rubber and etc.

PARTICLE SIZE DISTRIBUTION

