



Z 210

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:

CaCo3 (ISO 3262-1)	97.5% min.
MgCo3	0.5% max.
Fe2O3	0.04% max.
Insoluble matter in HCL	0.1% max.

PHYSICAL PRODUCT DATA:

Fineness:

Particle < 2 µm (Cilas 1064)	60%
Particle < 5 µm (Cilas 1064)	89%
Mean particle size (d50%)	2.05 µm
Top cut (d97%)	6.50 µm
Residue on 45 µm (ISO 787-7)	0.03% 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	770-780 g/ml
pH value (ISO 787/9)	9.0 – 10.0
Oil absorption (ISO 787/5)	25-27 g/100g
DOP absorption (ISO 787/2)	35-38 g/100g
Coating content	1.4%

Applications:

BARIN Z 210 use in plastics such as PE and PP: Improve the mechanical characteristics as well as appearance (whiteness, brightness, gloss, surface finish).

Extrusion torques in production process are balanced, By decreasing the stock temperature, the plasticization period is shortened, save energy.

By reducing the friction in extrusion process, extends the machine's life.

BARIN Z 210 use in rubber: flexibility and tensile strength are improved, better surface finish is supplied.

PARTICLE SIZE DISTRIBUTION

