CHEMIE MA-DANI HAMADAN CO. (CMHCO)







Z 210

TECHNICAL DATA SHEET

SHORT DESCRIPTION OF THE PRODUCTS:

CHEMICAL ANALYSIS OF THE RAW MATERIAL: CaCo3 (ISO 3262-1)

PHYSICAL PRODUCT DATA:

GENERAL PRODUCT DATA:

Precipitated Calcium Carbonate (PCC), White Powder, Pigmentary properties. High rheological powder.

 CaCo3 (ISO 3262-1)
 97.5%
 min.

 MgCo3
 0.5%
 max.

 Fe2O3
 0.04%
 max.

 Insoluble matter in HCL
 0.1%
 max.

Fineness:Particle < $2 \mu m$ (Cilas 1064)60%Particle < $5 \mu m$ (Cilas 1064)89%Mean particle size (d50%)2.05Top cut (d97%)6.50Residue on 45 μm (ISO 787-7)0.03%Whiteness:96-9%Crystal structureCalciMoisture (ex-works)0.3%

89% 2.05 μm 6.50 μm 0.03% max. 96-97% Calcite- Aragonite 0.3% max.

Specific Gravity Bulk Density pH value (ISO 787/9) Oil absorption (ISO 787/5) DOP absorption (ISO 787/2) Coating content 2.70-2.72 770-780 g/ml 9.0 – 10.0 25-27 g/100g 35-38 g/100g 1.4%

Applications:

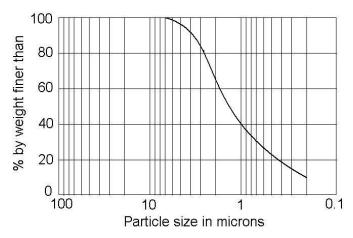
BARIN Z 210 use in plastics such as PE and PP: Improve the mechanical characteristics as well as appearance (whiteness, brightness, gloss, surface finish).

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



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