



**9020**

**Product information**

Precipitated Calcium Carbonate (PCC),  
According to the norm ISO 3262-6: 1998 (E)

**SHORT DESCRIPTION OF PRODUCTS:**

Uncoated, White and very fine powder, with rod regular particle shape, odorless, with pigment properties.

**CHEMICAL PROPERTIES:**

CaCo3	(ISO 3262-1)	98.5% min.
MgCo3		0.60% max.
Fe2O3		0.05% max.
Insoluble matter in HC	(ISO 3262-6)	0.20% max.

**PHYSICAL PROPERTIES:**

<b>Fineness:</b>		
Particle < 2 µm	Cilas 1064	50%
Particle < 5 µm	Cilas 1064	85%
Mean particle size (d50%)	Cilas 1064	2.01 µm
Top cut (d97%)	Cilas 1064	7.35 µm
Residue on 45 µm sieve	(ISO 787-7)	0.02% max.
Whiteness:	(ISO 2740)	95-96%
Crystal structure	Calcite - Aragonite	
Moisture (ex works)	(ISO 787-2)	0.5% max.

**GENERAL DATA:**

Specific Gravity		2.70-2.70
Free flowing density	(ISO 903)	260-280 g/cm <sup>3</sup>
Density after tamping	(ISO 787-11)	470-475 g/cm <sup>3</sup>
pH value	(ISO 787-9)	9.0 – 9.5
Water absorption	(ISO 787-5)	60-62 g/100g
Oil absorption	(ISO 787-5)	48-50 g/100g
DOP absorption	(ISO 787-5)	82-84 g/100g

**MAIN APPLICATIONS:**

BARIN 9020 is a functional filler with pigment properties, extender for Titanium Dioxide in paints industry for emulsion paints (indoor & outdoor) and varnishes, Printing inks and printing paste, In paper industry as filler for paper, loading and coating.

**(Optimize the use of Titanium Dioxide).**

In toothpastes for its rheological behavior, low abrasive cleaning and polishing properties.  
As a basic material with high purity for chemical reactions and as Ca- source.

In plastic industry as white functional filler with processing aid properties.

**PARTICLE SIZE DISTRIBUTION**

