# Chemie Ma-dani Hamadan Co. (CMHCO)







## 9020

### Product information

SHORT DESCRIPTION OF PRODUCTS:

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

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

CHEMICAL PROPERTIES:	CaCo3 MgCo3 Fe2O3 Insoluble matter in HC	(ISO 3262-1) (ISO 3262-6)	98.5% min. 0.60% max. 0.05% max. 0.20% max.
PHYSICAL PROPERTIES:	Fineness: Particle < 2 µm Particle < 5 µm Mean particle size (d50%) Top cut (d97%) Residue on 45 µm sieve Whiteness: Crystal structure Moisture (ex works)	Cilas 1064 (ISO 787-7) (ISO 2740)	50% 85% 2.01 μm 7.35 μm 0.02% max. 95-96% - Aragonite 0.5% max.
GENERAL DATA:	Specific Gravity Free flowing density Density after tamping pH value Water absorption Oil absorption DOP absorption	(ISO 903) (ISO 787-11) (ISO 787-9) (ISO 787-5) (ISO 787-5) (ISO 787-5)	2.70-2.70 260-280 g/cm <sup>3</sup> 470-475 g/cm <sup>3</sup> 9.0 – 9.5 60-62 g/100g 48-50 g/100g 82-84 g/100g

DATA

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.

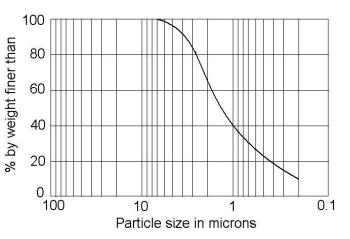
#### (Optimize the use of Titanium Dioxide).

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



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