PRECIPITATED CALCIUM CARBONATE (PCC)

Chemie Ma-dani Hamadan Co.
CMHCO
The first and only manufacturer of Precipitated Calcium Carbonate (PCC) in Iran

شرکت شیمی معدنی همدان

Barin 9024

Technical Data Sheet

Product information

SHORT DESCRIPTION OF PRODUCTS:

Precipitated Calcium Carbonate (PCC),
INSO:12577-6
CAS No. 471-34-1
Appearance: White and very fine powder, odorless, pigment properties.

CHEMICAL PROPERTIES:

CaCo3	(ISO 3262-6)	98.1% min.
MgCo3		0.3% max.
Fe2O3		0.05% max.
Volatile matter in Hcl	(ISO 3262-6)	0.5% max

PHYSICAL PROPERTIES:

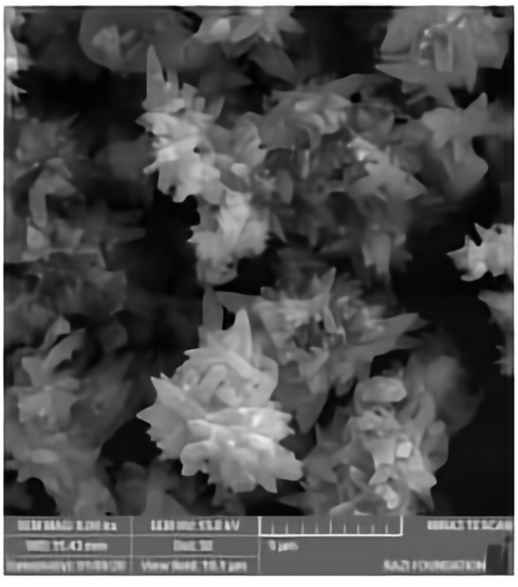
Fineness:		
Particle < 2 µm	Cilas 1064	50%
Particle < 5 µm	Cilas 1064	88%
Mean particle size (d50%)	Cilas 1064	2.30 - 2.50 µm
Top cut (d97%)	Cilas 1064	8.5 µm
Residue on 45 µm sieve	(ISO 787-7)	0.03% max.
Whiteness:	(ISO 2740)	94-96%
Crystal structure		Calcite
Moisture (ex works)	(ISO 787-2)	0.2 % max.
L 100	a* ≤ 0.38	b*≤ 1.9

Specific Gravity		2.70-2.72
Free flowing density	(ISO 903)	260-280 g/l
Density after tamping	(ISO 787-11)	570-650 g/l
pH value	(ISO 787-9)	9.0 – 10.0
DOP absorption	(ISO 787-5)	49-57 g/100g
Oil absorption	(ISO 787-5)	35-43 g/100g
Coating Agent		1% Max
Crystal Shape		Scanlenohedral

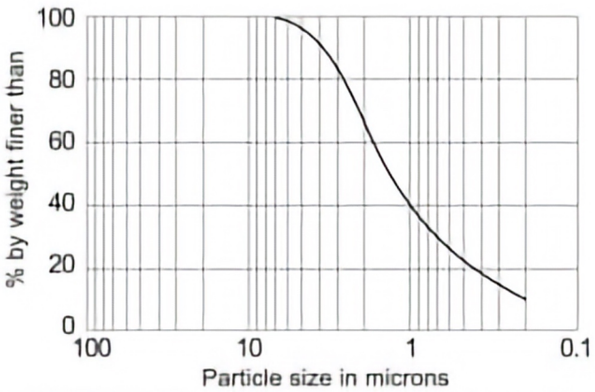
GENERAL DATA:

BARIN 9024 is a special grade for PVC products application such as: PVC pipe and fittings, PVC sheet and tape, PVC wall panel, PVC foam board, cable and wire, synthetic leather.

In PP and PE products is a functional filler, with processing aid properties. Improve physical properties of polymers.
Excellent extender for Titanium Dioxide
(Optimize the use of Titanium Dioxide).



PARTICLE SIZE DISTRIBUTION



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ISO9001-2015 CERTIFICATE MTIC INTERCERT

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