



R543

Technical Data Sheet

Product information

DESCRIPTION OF PRODUCTS:

Precipitated Calcium Carbonate (PCC),
White Powder, Pigmentary properties.
Easy dispersion powder

CHEMICAL PROPERTIES:

CaCo3	(ISO 3262-1)	97.7% min.
MgCo3		0.5% max.
Fe2O3		0.02% max.
Insoluble matter in Hcl	(ISO 3262-6)	0.16% max.

PHYSICAL PROPERTIES:

Volatile matter at 105° c	(ISO 787-2)	0.3% max.
pH value	(ISO 787-9)	9.0 – 10.0
Fineness:		
Particle size < 1.5 µm	(Cilas 1064)	60%
Particle size < 2 µm	(Cilas 1064)	90%
Mean particle size (d50%)		1.8 µm
Top cut (d97%)		2.4 µm

GENERAL DATA:

Residue on 45 µm sieve	(ISO 787-7)	0.2 % max.
Whiteness:	(ISO 2740)	95-96%
Crystal structure		Calcite - Aragonite
Specific Gravity		2.70-2.72
Bulk density	(ISO 787-11)	800-850 g/cm ³
Oil absorption	(ISO 787-5)	32±2 g/100g
DOP absorption	(ISO 787-5)	38±2 g/100g
Coating agent		1.3%

APPLICATIONS:

BARINR543 is a functional fillet for polymers application especially for PVC product.

All various rigid PVC especially UPVC products such as windows profiles, PVC sheets, tapes, pipes and etc.

significant impact on the mechanical properties Improve as well as appearance (whiteness, gloss, surface finish), and the thermal improve.

PARTICLE SIZE DISTRIBUTION

