

PMI - 04

Processing Technology

Purified CaCO_3 to be processed by advanced technology and long time experience. Our products in high, constant quality & customized products. Ultra – fine grinding system has been designed as closed circuit with new generation special classifier which enables to manufacture different particle sizes to meet any requirements form : $D_{50} = 1\mu\text{m}$ upwards.

Chemicals analysis

CaCO_3	$\geq 98.40\%$
Fe_2O_3	$\leq 0.02\%$
Al_2O_3	$\leq 0.02\%$
SiO_2	$\leq 0.03\%$
MgO	$\leq 0.1\%$

Physical Analysis

PH Value	:	6-8
Brightness	:	97.7%
Whiteness	:	98.8%
Moisture	:	0.10%
Density	:	2.7 g/cm ³
Oil Absorption	:	24g/100g
Hardness (Mohs)	:	3

Particle size by Malvern Mastersizer 2000

D_{90}	= $9.89\mu\text{m} \pm 2$
D_{50}	= $2.8\mu\text{m} \pm 0.2$