



PRECIPITATED CALCIUM CARBONATE

KC-1

TECHINCAL DATA SHEET

Description:

Precipitated Calcium Carbonate (PCC) is an innovative product derived from lime stone, which has many industrial applications. PCC is made by hydrating high- calcium quick lime and then reacting the resulting lime slurry with carbon dioxide. The resulting product is extremely white and typical has a uniform narrow particle size distribution. PCC is available in numerous crystal morphologies and sizes, which can be tailored to optimize performance in a specified application.

Application:

Precipitated Calcium Carbonate is used as an extender and opacifying agents in **INK** industry such as Printing Ink to control stability and imparts brightness. It has Aragonite structure with different particle size distribution and apparent densities.

Properties:

Application	Printing Ink
Grade Recommended	KC - 1
Bulk Density gm/ml (Tapped)	0.45 - 0.50
Loss on Drying (105°C in 1 hr)	1.0 Max
Specific Surface Diameter (micron)	0.33
Average Particle Size D50	5-6
Flow Point (ml/15 gm)	23- 26
Fineness % (through 45 micron)	99.40
DOP Absorption (gm/100gm)	50 -60
Purity as CaCO ₃ % (min.)	96
Crystalline Habit	Aragonite