



# PureCal™ Ultra-Fine

Technical Grade Calcium Carbonate

Description:

Purecal is produced from an underground high calcium limestone deposit. "Calcite" and "ground limestone" are synonymous with ground natural "calcium carbonate".

- Sized by air separation process to consistently meet exact specifications.
- Ideal for and mineral suspension applications, water dispersible products
- Applications in paints, plastics and rubber production.

## TYPICAL PHYSICAL PROPERTIES

	PRODUCTS		
	3μ	4μ	6μ
Median Particle Size	3.2	4.3	6
Oil Absorption (lbs oil/100 lbs, ASTM D-281)	18	17	16
Water Demand (ml/100gms)	55	54	45
Moisture (% , ASTM D-280)	0.2	0.5	0.15
Loose Bulk Density (lbs/ft <sup>3</sup> , ASTM C-110)	40	40	45
Compacted Bulk Density (lbs/ft <sup>3</sup> , ASTM C-110)	60	60	65
Weight Per Gallon (lbs/solid gallon)	22.6	22.6	22.6
325 Mesh Residue (max, %)	0.005	0.005	0.005

## CHEMICAL SPECIFICATIONS

	TYPICAL
Calcium (Ca)	39.50%
Calcium Carbonate (CaCO <sub>3</sub> )	99.30%

## TYPICAL PHYSICAL CHARACTERISTICS

Appearance	light gray -gray
pH (ASTM - D1208)	9.3

## IMPURITIES, TYPICAL

Magnesium	(Mg)	0.20%
Silica	(SiO <sub>2</sub> )	0.30%
Iron	(Fe)	0.0456%
Aluminum	(Al)	0.0010%
Arsenic	(As)	< 0.5 ppm
Cadmium	(Cd)	< 0.8 ppm
Lead	(Pb)	< 3.2 ppm
Mercury	(Hg)	< 0.1 ppm

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