



PRODUCT: ***IOKAL ULTRA FINE***

DESCRIPTION:

Produced by processing natural finest microcrystalline Calcium Carbonate. In process mixing of high purity selected chalk deposits results in an extremely fine and white product. It 's exceptional brightness, fineness of grind, low oil absorption and cost offers the formulator an important opacifying extender for matt latex paints. Easily dispersible high gloss and gloss retention, very good weatherability and excellent rheological properties. Addition of ***IOKAL ULTRA FINE*** in a formula results in TiO₂ consumption reduction.

CHEMICAL ANALYSIS: CaCO₃ ≥ 99.0 % MgO ≤ 0.15 %
SiO₂ ≤ 0.05 % Fe₂O₃ ≤ 0.01 %
HCl insoluble content ≤ 0.1 %

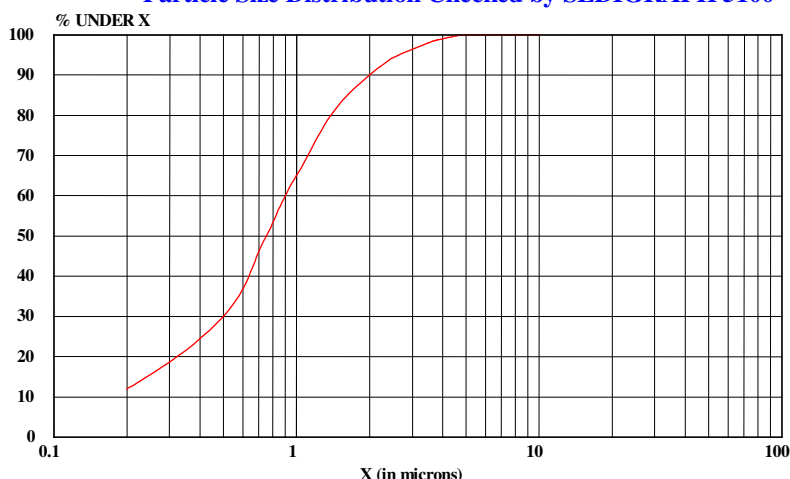
PHYSICAL PROPERTIES OF THE RAW MATERIAL: Density (ISO 787/10) 2.7 g/ml
Hardness (Mohs) 2.5

PHYSICAL PROPERTIES OF THE PRODUCT:

Particle Size Distribution Checked by SEDIGRAPH 5100

Checked by
Sedigraph 5100
Top cut: D98 3.5µm
D90 2.0µm
Median size: D50 0.75µm

Dry Sieving Test
(ALPINE)
>40µm max 0.01%



Bulk density (ISO 787/11) 0.65 g/ml
Specific Surface (BET) 5.3 m²/g
Abrasion (Einlehner) 2.3 mg
Oil Absorption 22 g/100g
Water Absorption 32 g/100g
pH (ISO 787/9) 9
Moisture content (ISO 782/2) ≤ 0.3 %

OPTICAL PROPERTIES: DataColorSF600+(d 8°;C 2°)-DorfnerPress: 2.5bar

Y ≥ 96 %
L* : 98.5
a* : 0.05
b* : 1.0

APPLICATIONS: Paints : Emulsion paints, alkyd paints
Paper : Coated paper, wallpaper
Plastics : PVC extrusion rigid & plastisized, injection moulding, calendared sheets, coatings
Rubber, Adhesives

The above values are based on measurements carried out according to our quality assurance system and thus must not be considered as guaranteed

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