



PRODUCT: IOKALIT ULTRA FINE Surface Treated

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. **IOKAL ULTRA FINE** is specially surface treated and renders its particles hydrophobic allowing larger compatibility with synthetic polymers, also ease of dispersion, moisture repellency, weather and aging resistance, low oil and DOP absorption. This product offers good mechanical properties and allows high grade loading for the final product.

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

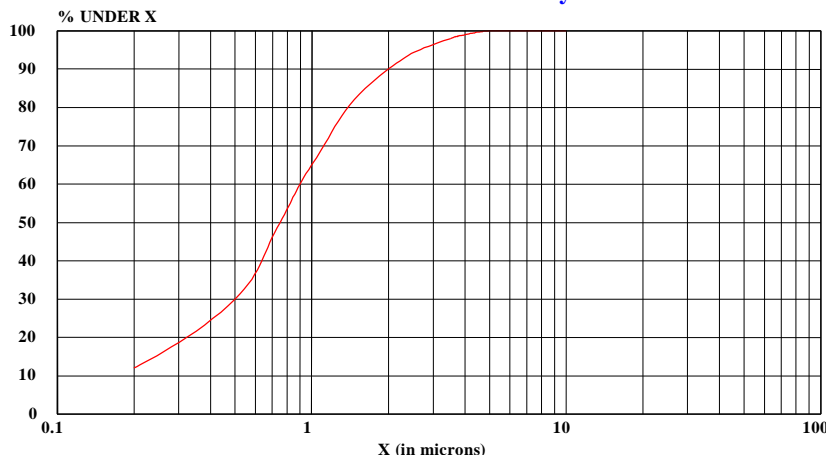
PHYSICAL PROPERTIES OF THE RAW MATERIAL: Density (ISO 787/10) 2.7 g/ml
Hardness (Mohs) 2.5

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 ≥ 96.0 %
L* : 98.5
a* : 0.05
b* : 1.0

APPLICATIONS: Plastics: PVC extrusion plasticized, PVC injection moulding, calendered sheets, PVC Coatings, PVC profil
Rubber, Sealing compounds

◇ All the above specification values are measured on untreated material

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