

# ZETAFIL CST 1

## RAW MATERIALS

## ΠΡΩΤΕΣ ΥΛΕΣ

Zetafil CST 1 is based on a very white and pure crystalline CaCO<sub>3</sub> raw material. Zetafil CST 1 is specially coated by an organic agent which transforms the surface of the inorganic particles into an organic one, thus achieving full compatibility of the filler to the resin. Due to its special particle size distribution and hydrophobic surface, Zetafil CST 1 is easily dispersed. Zetafil CST 1's brightness value enables formulators to economize in Titanium Dioxide. The abrasive index of Zetafil cst 1 is exceptionally low due to the purity of the raw material, the fineness of its particles and the coating of its surface.

## CHEMICAL ANALYSIS

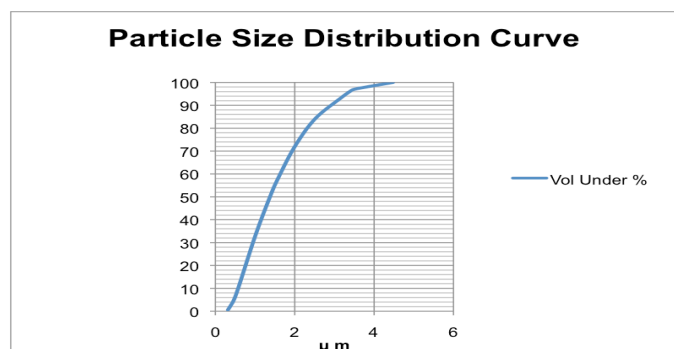
## ΧΗΜΙΚΗ ΑΝΑΛΥΣΗ

CaCO <sub>3</sub>	: 99.500%	Fe <sub>2</sub> O <sub>3</sub>	: 0.010%
MgO	: 0.320 %	Al <sub>2</sub> O <sub>3</sub>	: 0.003%
SiO <sub>2</sub>	: 0.040%	Loss on ignition	: 44.97%
		Moisture (DIN 53198) below	0.2%

## FINENESS

## ΛΕΠΤΟΤΗΣ

d (0.97) : 3.5 microns.  
 d (0.50) : 1.1 microns.  
 Finer than 2 microns : 70 %  
 Measured by Malvern - 2000 instruments.



## TECHNICAL DATA

## ΤΕΧΝΙΚΗ ΕΝΔΕΙΞΗ

Density (ISO 787/10)	: 2.7 gr/cm <sup>3</sup> .	
Refractive index	: 1.59.	
Hardness (Mohs)	: 3.	
Particle shape	: Micro - crystalline rhombohedral.	
Packed bulk density	: 0.90 gr/cm <sup>3</sup> .	
Dry brightness (DIN 6174)	: 98%	
pH value (ISO 787/9)	: 9.	
Oil absorption (ISO 787/5)	: 19 gr per 100 gr powder.	
D.O.P. absorption (ISO 787/5)	: 21 gr per 100 gr powder.	

THESE FIGURES ARE AVERAGE VALUES FROM NUMEROUS MEASUREMENTS. THEY CANNOT, HOWEVER, BE TAKEN AS BINDING.

## APPLICATIONS

## ΕΦΑΡΜΟΓΗ

<b>Plastics:</b>	Rigid PVC <input type="checkbox"/> Window profiles  <input type="checkbox"/> Calendered Sheets <input type="checkbox"/> Profiles\pipes <input type="checkbox"/> Mouldings	Polyolefins <input type="checkbox"/> Colour Masterbatch <input type="checkbox"/> Compound \ masterbatch for mouldings	<b>Paints:</b>   <b>Elastomers:</b>	High gloss enamels
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