

ZETAFIL CST 3

RAW MATERIALS

ΠΡΩΤΕΣ ΥΛΕΣ

Zetafil CST 3 is based on a very white, pure crystalline CaCO₃. Zetafil CST 3 is coated by an organic agent which transforms the surface of the inorganic particles to an organic one, thus achieving full compatibility of the filler to an organic media. Due to its special particle size distribution, Zetafil CST 3 is easily dispersed and can increase the % of fillers in the compound and coatings. Zetafil cst 3's high brightness value assists the reduction of TiO₂ in white compounds or coatings.

CHEMICAL ANALYSIS

ΧΗΜΙΚΗ ΑΝΑΛΥΣΗ

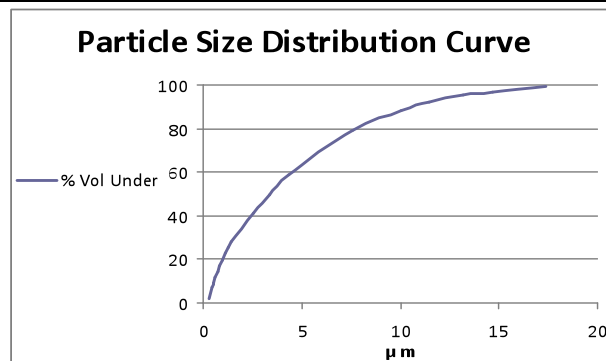
CaCO ₃	: 99.500%	Fe ₂ O ₃	: 0.010%
MgO	: 0.320 %	Al ₂ O ₃	: 0.003%
SiO ₂	: 0.040%	Loss on ignition	: 44.97%
		Moisture (DIN 53198) below	0.2%

FINENESS

ΛΕΠΤΟΤΗΣ

d (0.97)	: 14 microns.
d (0.50)	: 3.5 microns.
Finer than 2 microns	: 30 %

Measured by Malvern - 2000 instruments.



TECHNICAL DATA

ΤΕΧΝΙΚΗ ΕΝΔΕΙΞΗ

Density (ISO 787/10)	: 2.7 g/cm ³ .
Refractive index	: 1.59.
Hardness (Mohs)	: 3.
Particle shape	: Micro - crystalline rhombohedral.
Packed bulk density	: 1.1 g/ cm ³ .
Dry brightness (DIN 6174)	: 97%
pH value (ISO 787/9)	: 9.
Oil absorption (ISO 787/5)	: 15 gr per 100 gr powder.
D.O.P. absorption (ISO 787/5)	: 16 gr per 100 gr powder.

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

APPLICATIONS

ΕΦΑΡΜΟΓΗ

Plastics:	<input type="checkbox"/> Plasticized PVC <input type="checkbox"/> Film <input type="checkbox"/> Floor coverings <input type="checkbox"/> Profiles <input type="checkbox"/> Leather cloth	<input type="checkbox"/> PVC plastisols <input type="checkbox"/> Cables <input type="checkbox"/> Pipes	Paints:	Solvent-based Primers - undercoats
			Polyolefins:	PE master batches
			Rubber:	
			Elastomers:	