

CaCO₃ IPERMICRONIZZATO TRATTATO CaCO₃ HYPERMICRONIZED COATED

Carbonato di calcio tecnico ipermicronizzato trattato ottenuto mediante sistematiche e successive selezioni granulometriche per via "secca" che ne garantiscono una curva granulometrica estremamente pulita ed assolutamente assente da particelle vaganti a diametri superiori.

Il prodotto si presenta come una polvere estremamente bianca, perfettamente idrofoba, ottimamente compatibile con le resine sintetiche

Coated technical hypermicronized calcium carbonat.

VALTOCHIM is a coated technical hypermicronized Calcium Carbonate obtained through systematic and successive particle-size selections after a dry method that grants to the product a particle-size curve extremely clean and totally absent of particles with larger diameters.

The product shows as a very white powder, totally water proof, greatly compatible with synthetical resins.

ANALISI CHIMICA CHEMICAL ANALYSIS		CARATTERISTICHE FISICO - CHIMICHE PHYSICAL - CHEMICAL CHARACTERISTICS	
% Ca CO ₃	99,00	Peso specifico <i>Specific Weight</i>	2,71
% Mg CO ₃	0,72	Densità apparente g/l <i>Apparent density g/l</i>	750
% Silicato d'Al Colloidale <i>% Colloidal Aluminium Silicate</i>	0,25	Forma delle particelle <i>Particles shape</i>	Romboedrica <i>Rhombohedral</i>
% Fe ₂ O ₃	0,02	W.I. Indice di bianco (Cielab) <i>White index (Cielab)</i>	83,50
% Perdita alla calcinazione <i>% Lost in Calcination</i>	43,58	W.I. Indice di bianco (ELREPHO- Filtro Blue) <i>White index (ELREPHO - Blue Filter)</i>	89,00
PH	9	Y.I. Indice di giallo (Cielab) <i>Yellow index (Cielab)</i>	3,00
% Umidità <i>% Humidity</i>	0,10	% Radicale Organico <i>% Organic Radical</i>	1,10
		% CaCO ₃ libero <i>% Free CaCO₃</i>	6
		Assorbimento % in D.O.P. <i>% D.O.P. Absorption</i>	17,00 ± 1
		Assorbimento % in olio <i>% Oil Absorption</i>	15,00 ± 1
		Assorbimento % in H ₂ O <i>% H₂O Absorption</i>	nullo <i>none</i>

IMPIEGHI PRINCIPALI CHIEF UTILIZATIONS

Compound di PVC o rigido	Rigid and plastic extrusioned pvc
PVC calandrato	Injection and calendered pvc
PVC filmato	Master
Stampaggio materie plastiche	Mastics and adhesives
Guaine per cavi elettrici a basse tensioni	Low tension electric cables coatings
Gomma	Rubber
Resine termoindurenti	Pvc mixes
Rivestimenti plastici	Plastic coverings

SYMPATEC HELOS (H0164) Particle size analysis

dispersing syst. DISPERSIONE A SECCO RODOS cascade y
 pressure 1 bar injector depression mbar
 feed rate 40 % rotation rate 30 %
 MEASUREMENT focal length 100mm reference measurement -999h00, 15.0%
 time resol. 1000ms measuring time / timeout 5.00s
 SAMPLE VALTOCHIM start / stop with % on channel 1
 density 2.71g/ccm formf.

comments1
 comments2
 Operator Filename A:\21705
 LD mode of evaluation (V.4.7.12)

x0/ μm	Q3/%	x0/ μm	Q3/%	x0/ μm	Q3/%	x0/ μm	Q3/%
		3.10	67.29	12.50	100.00	51.00	100.00
0.90	16.45	3.70	73.98	15.00	100.00	61.00	100.00
1.10	23.63	4.30	79.06	18.00	100.00	73.00	100.00
1.30	30.14	5.00	83.73	21.00	100.00	87.00	100.00
1.50	36.03	6.00	89.03	25.00	100.00	103.00	100.00
1.80	43.89	7.50	94.78	30.00	100.00	123.00	100.00
2.20	52.74	9.00	98.11	36.00	100.00	147.00	100.00
2.60	60.01	10.50	99.53	43.00	100.00	175.00	100.00

x10 = 0.74 μm x50 = 2.08 μm x90 = 6.25 μm
 x25 = 1.14 μm x75 = 3.82 μm x99.99 = 12.46 μm
 Sv = 3.70 m²/cm³ Sm = 13667.94 cm²/g c_{opt} = 24.5 %

