Title (en)

POROUS, MICRONIZED, LOW DENSITY VEGETABLE FILLER WITH A CONTROLLED PARTICLE SIZE AND LOW SPECIFIC PHYSICAL AND HYDRAULIC SURFACES, AND METHOD OF PREPARATION AND USE OF SAME.

Title (de)

PORÖSER, WENIGDICHTER MIKRONISIERTER PFLANZLICHER FÜLLSTOFF MIT KONTROLLIERTER GRANULOMETRIE UND KLEINEN PHYSIKALISCHEN UND HYDRAULISCHEN OBERFLÄCHENKENNZAHLEN UND VERFAHREN ZU SEINER HERSTELLUNG.

Title (fr)

CHARGE VEGETALE POREUSE, MICRONISEE, PEU DENSE, DE GRANULOMETRIE CONTROLEE ET DE FAIBLES SURFACES SPECIFIQUES PHYSIQUE ET HYDRAULIQUE, PROCEDE DE PREPARATION ET UTILISATION.

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Application

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Abstract (en)

[origin: WO9015900A1] The invention, as a new industrial product, relates to a porous, micronized, low density vegetable filler with a controlled particle size and low specific physical and hydraulic surfaces. This vegetable filler is characterized in that (1) with a residual moisture content below 20 % and preferably below 15 %, it has (1a) a d95? particle size of less than 200 micrometers (meaning that at least 95 % by weight of the particles of said vegetable filler will pass through a square mesh sieve with openings of 200 x 200 micrometers), (b) a specific physical surface of less 2 m?2/g, (c) a specific hydraulic surface of less 2 m?2/g, and (d) a density of less than 500kg/m?3 and preferably less than or equal to 300kg/m?3; and, (2) it will have been obtained by grinding/micronization at a temperature lower than 150C and preferably at a temperature lower than or equal to 100C. This micronized vegetable filler is useful in the fields of pulp, paper, cardboard, and nonwovens on the one hand, and in the fields of composites, paints, coatings and construction materials on the other.

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