

Title (en)

METHOD OF PRODUCING POLYSTYRENE PARTICLES COMPRISING CARBON PARTICLES HAVING A CONICAL SHAPE

Title (de)

VERFAHREN ZUR HERSTELLUNG VON POLYSTYROLPARTIKELN MIT KOHLEPARTIKELN MIT KONISCHER FORM

Title (fr)

PROCÉDÉ DE PRODUCTION DE PARTICULES DE POLYSTYRÈNE COMPRENANT DES PARTICULES DE CARBONE DE FORME CONIQUE

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Application

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Abstract (en)

[origin: WO2015049413A1] Method of producing polystyrene particles, polystyrene particles obtained by such a method, and expandable polystyrene particles containing athermanous particles. In the method, styrene monomers are subjected to a polymerization reaction in the presence of athermanous particles to produce polystyrene particles. According to the invention, the athermanous particles comprise carbon particles having a conical shape, in particular at least 95 % of the carbon particles have the shape of cones, such as open cones, along with some disc-shaped particles. The particles are formed by overlapping carbon layers, with a largest dimension of less than micrometers. Excellent thermal insulation properties are exhibited for expanded products produced from the particles.

IPC 8 full level

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