

Title (en)

METHOD FOR PRODUCING EXPANDED GRANULAR MATERIAL

Title (de)

VERFAHREN ZUR HERSTELLUNG VON EXPANDIERTEM GRANULAT

Title (fr)

PROCÉDÉ DE FABRICATION DE GRANULÉ EXPANSÉ

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Application

EP 17743367 A 20170801

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Abstract (en)

[origin: WO2018029040A1] The invention relates to a method for producing expanded foam particles from one or more polyesters based on aliphatic or aliphatic and aromatic dicarboxylic acids and aliphatic diols, comprising the following steps: (a) melting the polyester and mixing the polyester with 1 to 3.5 weight percent, in relation to the polyester, of the blowing agent carbon dioxide and/or nitrogen and 0.1 to 2 weight percent of a nucleating agent and pressing the blowing-agent-containing and nucleated polyester melt through a perforated plate, which is temperature-controlled to a temperature between 150°C and 185°C, into a granulating chamber; (b) comminuting the polymer melt pressed through the perforated plate into individual expanding granules by means of a cutting device; (c) discharging the granules from the granulating chamber in a water flow having a temperature of 5 to 90 °C, the pressure of which water flow is 0.1 bar to 20 bar above the ambient pressure.

IPC 8 full level

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See references of WO 2018029040A1

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