

Title (en)

EXTRUDED POLYSTYRENE FOAM WITH VICAT TEMPERATURE OVER 100 C

Title (de)

EXTRUDIERTER POLYSTYRENSCHAUM MIT VICAT-TEMPERATUR ÜBER 100 C

Title (fr)

MOUSSE POLYSTYRENE EXTRUDEE A TEMPERATURE DE VICAT SUPERIEURE A 100 C

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Application

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Abstract (en)

[origin: WO0140363A1] This invention relates to a process for preparing a foam product comprising the steps of (A) forming a foamable mixture of (1) at least one linear styrenic polymer having a vicat softening temperature of greater than least 100 DEG C (212 DEG F), and (2) a blowing agent comprising a major amount of inorganic blowing agent under a pressure sufficient to prevent prefoaming of the mixture and (B) foaming the mixture into a region of reduced pressure to form the foam product. In another embodiment, the invention relates to a process for preparing a foam product comprising the steps of (A) forming a foamable mixture of (1) at least one linear polystyrene having a vicat softening temperature of greater than 100 DEG C (212 DEG F), and (2) a blowing agent comprising a major amount of inorganic blowing agent under a pressure sufficient to prevent prefoaming of the mixture, and (B) foaming the mixture through a die into a region of reduced pressure to form the foam product, wherein the pressure of the forming step (A) is at least twice the pressure at the die. The invention also includes foam boards made from the processes. The invention also relates to foam boards which are halogen free. The foams produced have improved compression strength. These foams have dimensional stable.

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