

Title (en)

LONG FIBER-FOAM COMPOSITE MATERIAL

Title (de)

LANGFASER-SCHAUMVERBUND

Title (fr)

COMPOSITE MOUSSE-FIBRES LONGUES

Publication

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Application

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Abstract (en)

[origin: DE19737014A1] The invention relates to a long fiber-foam composite material, in which the long fibers are bonded to form a loose but dimensionally stable structure with good recovery properties. The long fibers are only partially bonded by foam particles in the shape of nodal points. The foamed or unfoamed foam particles are applied to the structure when the latter is being formed. The unfoamed foam particles applied to the structure are foamed by reacting or reactivating the blowing agent previously applied to the bonding agent to be foamed. The expansion can freely take place without limiting the volume so that a minimal possible thickness can be obtained by complete expansion or in a predetermined volume having a predetermined thickness, for instance, by expansion in a double wall press or a mold.

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