

Title (en)

SORTED COMPOSITE PLASTIC MATERIAL AND METHOD FOR THE PRODUCTION THEREOF

Title (de)

SORTENREINES VERBUNDMATERIAL AUS KUNSTSTOFF UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)

MATERIAU COMPOSITE REVALORISABLE EN MATIERE PLASTIQUE ET SON PROCEDE DE PRODUCTION

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Application

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Abstract (en)

[origin: WO03033259A1] The invention relates to a composite material which is used to facilitate the recycling of plastic composite materials and shaped bodies produced therefrom, consisting of a sorted single material. According to the invention, the sorted composite plastic material consists of a core of thermoplastic foam and at least one reinforcing layer made of a composite consisting of fibers or strips made of the same thermoplastic material as the foam. The invention also relates to a method for the production of said sorted composite material, wherein the thermoplastic synthetic foam is applied to a pre-formed reinforcing layer and is welded to the reinforcing layer by adding heat. A composite consisting of at least two layers of wovens, knitted fabrics or a cluster of fibers and strips made of the same plastic material as the foam is used as a reinforcing layer.

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