

Title (en)  
LAMINATED COMPOSITE FOR BALLISTIC PROTECTION

Title (de)  
LAMINIERTE BALLISTISCHE VERBUNDPANZERUNG

Title (fr)  
COMPOSITE STRATIFIÉ DE PROTECTION BALISTIQUE

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Application  
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Abstract (en)  
[origin: WO2013008178A1] The present invention relates, generally, to the field of ballistic protection using panels for ballistic protection. More particularly, the present invention relates to a laminated hybrid composite (1a,1b) for ballistic protection, characterized in that it comprises a solid central thermoplastic polymer layer (2) which comprises, at least on one of the faces, a laminated thermoset material layer (3). The invention also relates to a process for manufacturing a composite according to the invention comprising the assembling, using an adhesive, of a solid thermoplastic polymer layer either sandwiched between two laminated thermoset material layers, or comprising, at least on one of the faces, a laminated thermoset material layer. The invention additionally relates to a bulletproof or antishrapnel protective device comprising a composite according to the invention. The invention also relates to the use of the composite according to the invention as bulletproof or antishrapnel protection.

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