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(54) Title: MULTILAYERED MATERIAL SHEET AND PROCESS FOR ITS PREPARATION

(57) Abstract: The invention relates to a multilayered material sheet comprising a consolidated stack of unidirectional monolayers of drawn ultra high molecular weight polyolefine. The draw direction of two subsequent monolayers in the stack differs. Moreover the thickness of at least one monolayer does not exceed 50 µm, and the strength of at least one monolayer is comprised between 1.2 GPa and 3 GPa. The invention also relates to a ballistic resistant article comprising the multilayered material sheet and to a process for the preparation of the ballistic resistant article.



WO 2007/122011 A3