

Title (en)
COMPOSITE MATERIALS COMPRISING PLASTICS AND WOOD

Title (de)
KUNSTSTOFFE UND HOLZ ENTHALTENDE VERBUNDWERKSTOFFE

Title (fr)
MATERIAUX COMPOSITES CONTENANT DES MATERIAUX PLASTIQUES ET DU BOIS

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Application
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Abstract (en)
[origin: WO2005009701A2] The invention relates to composite materials, comprising plastics and wood, with 55 to 90 mass % of wood in the form of sawdust, wood fibres, and/or wood chippings and 45 to 10 mass % of partly cross-linked melamine resin ethers or mixtures of partly cross-linked thermoplastics and cross-linked melamine resin ethers, whereby the plastics in the composite materials can be in the form of a foam. Said materials can be produced by homogenisation of the components in the extruder, pre-impregnation of wood with melamine resins in the screw mixer and subsequent homogenisation of the components in the extruder, or by a sinter method, each followed by a subsequent moulding to give the composite material. The composite materials are suitable for application in building and in sport and leisure applications.

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IPC 8 full level
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IPC 8 main group level
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