Title (en)

COEXTRUDED THERMOPLASTIC STRUCTURAL MATERIAL FOR SHOES AND MANUFACTURING PROCEDURE OF COEXTRUDED MATERIAL

Title (de)

KOEXTRUDIERTES THERMOPLASTISCHES STRUKTURMATERIAL FÜR SCHUHE SOWIE VERFAHREN ZU DESSEN HERSTELLUNG

Title (fr)

MATERIAU STRUCTURAL THERMOPLASTIQUE COEXTRUDE POUR CHAUSSURES ET PROCEDE DE FABRICATION DUDIT MATERIAU COEXTRUDE

Publication

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Application

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Abstract (en)

[origin: WO0030485A1] This invention refers to an innovating structural material for footwear, thermoplastic and coextruded with thermoadhesives, comprising a multilayer material. The invention also refers to a manufacturing procedure of said structural material for shoes. The structural material proposed may consist of: only a sheet of thermoplastic resins; one sheet of thermoplastic resins coupled to a substratum of woven or non-woven material on only one side; a sheet of thermoplastic resins coupled to two similar or different of woven or non-woven substrates on the two sides (right and reverse). The substrate may use, among others, the following materials: nonwoven polyester, nonwoven polypropylene, polyester web, cotton web, PVC sheet, cotton flake, jersey, mesh, etc. Its thickness may vary according to the material to be laminated. The thermoplastic sheet consists of the following layers: external layers A and C formed by thermo-reactivatable adhesives such as EVA (ethyl-vinyl-acetate), taquifying esters and auxiliary additive substances of flow, such as amides. These layers may present a different formulation among them, according to the use to be given to the structural material. Intermediate layer B formed by polyolefinic resins such as polypropylene, polyethylene or ethylene copolymers of ethylene.

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